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acggctctgtg catgcatgca ggt 143

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gatgaaaaac acaaggaaga tgatcaagag gaggggaagg gtggattcat tgagaagggtg 180

aaggatttca ttcatgacat tgggtgagaag attgaggaag ctattgggtt tgggacgcca 240

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actcctttga ttccgatcaa cagcctctcc gccgccactg gttgccaaat tctcggcaag 180



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tgcccaacag gtattggaca ctagttgaag aggggtcaat gggccatgta tgcattgtgaa 180

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ggtggatcgg ttgattgcga gaggggacag cgtgatcgtg gtggacaatt tcttcacggg 180

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<223> Clone ID: 701037591H1

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<223> Clone ID: 701037614H1

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<223> Clone ID: 701037616H1

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<223> Clone ID: 701037617H1

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<223> Clone ID: 701037618H1

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<211> 114

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<213> Glycine max

<223> Clone ID: 701037619H1

<400> 47882

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<223> Clone ID: 701037621H1

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<210> 47884

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701037542H1

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gaaaatagtt ttgagttgag gatctaataca ttaccagatt taatatactt ggcaaatggg 120

gtctgaaggt cctacgacac cgacaacaac aattcatgtg acaggattta agaaattcca 180

tggagtttca gagaatccaa cagacacaat tgccaataat ttgacggagt acatgaataa 240

gaagggtttg ccaaagggtt tagt 264

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<223> Clone ID: 701037544H1

<400> 47885

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 gcaacacgaa ctggtcgctt gtttcaaaac caaacctca atgtccacgt taatggagga 180  
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<400> 47886

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<210> 47887  
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<223> Clone ID: 701037546H1

<400> 47887

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ctcccttccc acgttccaaa tcgagaaaca cgaataccac cgcggttctt gogactactc 180  
cgacggaaca tggatccacg acccctcgag gactccgagg tacgacaata cctgcaagga 240  
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<223> Clone ID: 701037548H1  
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<223> Clone ID: 701037549H1  
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ctctcaatta caataacaca cactcaactt gagaattttc cccaaaaatc ccaagagctc 180

gcgccatggt ttccccggaa aacagcaatt ggctgttcga ttagccgttg atcgacgacg 240  
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ccttttagact atgg 194

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tcgcccagga caccagcatc ctccac 206

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actatcatcc caaagattat tggggccatc caaactattg aaatcgttga aggaaatgga 180  
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<223> Clone ID: 701037553H1

<400> 47894

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<223> Clone ID: 701037554H1

<400> 47895

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<223> Clone ID: 701037555H1

<400> 47896

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 agatctctgt cccgcaccag atctggtgca gggtagagagg gttgggttca ttaattgtgt 180  
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<223> Clone ID: 701037557H1

<400> 47898

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<223> Clone ID: 701037558H1

<400> 47899

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 ctccataacc aggaggagga ggaggaggat gagtcaccgg gaagctctgg tgagatcaag 180  
 aatgaggaag aagacgttga ggctggatta ctcccctgtt gtcgaatttg cctcgaagag 240  
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<211> 265

<212> DNA

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<212> DNA

<213> Glycine max

<223> Clone ID: 701037560H1

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<212> DNA

<213> Glycine max

<223> Clone ID: 701037561H1

<400> 47902

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<212> DNA

<213> Glycine max

<223> Clone ID: 701037562H1

<400> 47903

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caagaaagga ggacacagca agcagcaatc ttcac 155

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<400> 47904

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tgttcatcgg agggactggg tacatcggaa aattcatcgt ggaagccagc gccaaagctg 120

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<212> DNA

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<223> Clone ID: 701037564H1

<400> 47905

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aatgaaaatg ggtggtgggt gcaagtgttt ggtatcgttg gtggtggcct tgggtgtgat 120

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170

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<223> Clone ID: 701037565H1

<400> 47906

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cttcaaaaac tactcttaga ttgcttcgat ggtcgatcac tacaacaagc tggttaaact 180  
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aa 242

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<212> DNA  
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<223> Clone ID: 701037566H1

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aaacactccc attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga 180  
aatcgatgat caccctatgc aaattgaaga aacacagtac ccgaaaacct tcttctataa 240  
agaagacctt catccaggca aaacaat 267

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<223> Clone ID: 701037567H1

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002220"ETTES60

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ctgcaccttt ttaaggcaga tcttttgggt gaaaattctt ttgactccat tgttgagggc 240  
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<213> Glycine max

<223> Clone ID: 701037568H1

<400> 47909

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taaaccgtgt caatggacgg aaggagatca tcaaatgtcg tgcagacgcy tttggcaaca 180  
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ctgctcttca attgcaaagg g 261

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<223> Clone ID: 701037541H1

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ctactacccc cgacacgttg aaggcgggggt tggtgagtt catctccacc ttgatcttcg 180  
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tccc 244

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<212> DNA  
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<223> Clone ID: 701037569H1

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<210> 47912

<211> 126

<212> DNA

<213> Glycine max

<223> Clone ID: 701037496H1

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caaattcaaa ccgggtcttg gttttctgaa agatgggacg tggcaaggac aagcatcatg 120

atgaat 126

<210> 47913

<211> 200

<212> DNA

<213> Glycine max

<223> Clone ID: 701037505H1

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<210> 47914

<211> 149

<212> DNA

<213> Glycine max

<223> Clone ID: 701037506H1

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aaagttcata gttggaccct gtcaccgca 149

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<223> Clone ID: 701037507H1  
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agttaatgca tcagaacttc cacctcatct ctttcttgaa atgccagctt tgtcaccgac 120  
aatgaaccaa ggaaacattg ctaaattggag gaaacaagag ggagacaaga ttgaagtggg 180  
tgatatatta tgtgagatag agacagacaa agctacactt gaatttgaga gtcttgaaga 240  
ggggtacctg gctaagatac ttgctccag 269

<210> 47916  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: 701037509H1  
<400> 47916

gaccgtgtct tcgtcgtaga gagagagaga gttcatatcc aatctttggg tgggtgggtg 60  
ggcactaggt acaagttata gagatcggtt gagtgagtga ttgaaattct tgagaccac 120  
atcgtgtgtg tttgttttca ttcctcggag gatattctaa agatgggtgc gagaacccca 180  
ccaaagcaga agaagctggt ggctgctctc aaccctgttc tgattaaaga aacactcaac 240  
aagtggtatc agtgcgtggc tcggctgc 268

<210> 47917  
<211> 269  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701037510H1  
<400> 47917

cgaggagttt gttaactgtg tccgctgcat taaaatactt tctcctcaag aagttcaaca 60  
aatcgagctt ggatggagat tttggcaatg gtggccttcc atatccagta ggcagcagct 120  
ctgatggtgg gaatgcttta atggcatcca ggaatctgct aattattctt ccatgttagt 180  
aacttacatc gtttttagga catattcatc agtgcgtcc aaaaggttgt ggggtcggtc 240  
ggcagatgat tttgtcctgc tgcagcagc 269

<210> 47918  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037511H1

<400> 47918

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caacaactcc actcctttgc gttcttgtaa ctcttctggc taaaatttca gcttccagaa 120  
ttgaaaaaaaa aatgatcaaa caagttcttc ttcttggtct gctcttcttg gcctctggat 180  
tgccctcct cagtctcaga gtctgagtct gtttctcttc tgctcagc cgctgattcc 240  
ttcaatgtta gctatatcca gatgaagaa 269

<210> 47919  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037512H1

<400> 47919

ccgaaagcgc cttcttgaga tgggctataa gaatcctgtc ctcttgcttc atccacttgg 60  
aggctacacc aaagctgatg atgtcccact tgattggcga atgaagcaac atgagaaggt 120  
acttgaggat ggtgttcttg atccagagac aactgtggta tccatattcc catctcccat 180  
gcactatgct ggaccacgg aggtgcagtg gcatgcaaag gctaggatca atgcaggggc 240  
taacttctat atcgttggtc gtgacccc 268

<210> 47920  
<211> 270

002220.032200

<212> DNA  
<213> Glycine max

<223> Clone ID: 701037513H1

<400> 47920

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aggcaatcat ttacctggat tagcttcaat ttgcaacca caagtatcta acgctgtaaa 120  
ggctgctgct attggcaatg acttggaag gagcagtcaa ggagagcaca tattttccgg 180  
tatgaattca tcacacggag ctacttttca gtcgcattca cttccagagc ctatattcag 240  
ccaatatcgt ggagcattgt cctcaattgg 270

<210> 47921  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037515H1

<400> 47921

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ttgacacctt gtttctctct tgtaatttt tgtacctaat gttagtata tatgttgatg 120  
gaacagcatt ttgctccatt ctcgattggg aacagtttga gaactgatat tggattgtca 180  
ttgagtgctt atgttggtta cagcttccat ttgcatcaa tatatgtgga tttgaat 237

<210> 47922  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037518H1

<400> 47922

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ccactttcct tttttcctct ctttgtctct ctctttctac ctcacatcac acattctcat 120  
cctcttttta tctcttccc ctccaaagct gagagagcca caacacaacc aaaaccctat 180  
attattcact tggtaaaca ctctttcact tgacaaaca acatttcgtg tagctacaat 240  
ggaagcgtat tactacaaga ggcaccatgt 270

<210> 47923  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037519H1

<400> 47923

cagaagcaga attcgggtgac ggagcgcggc gttgggtccg agattgatga agatcacacc 60  
 cgatctgcta ttgcgcttga tcatcatcat gatgaaaagg agagtgaaga aaacaacgga 120  
 agccacatgg tgtttgacgt tgatcagggt ttggatagaa aagatgacga ggcagagaag 180  
 agttgtgatt 190

<210> 47924  
 <211> 213  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037520H1

<400> 47924

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 tgtacttctt tctactcaca acaacatcag aatcagaaac aacaatggcc aacactaact 120  
 tggaagatgt tccctctctg gatctcatga ctgagctcct tcgtcgtctc aagtgtcttt 180  
 ccaaacctga caagcgtctt attctcattg gcc 213

<210> 47925  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037522H1

<400> 47925

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 ccacctccca ctcttttctt ttcacacccc tcctcattct tctttttcac actaattcag 120  
 aatcaacatg aacccaaatg atgctaactc tcctaagccg ttggagattc tgcagatgaa 180  
 ccctgttcct ccgtttttgt ccaacacctt cgacctcgtc gacgaccga ctctcgacc 240

cattatctca tggggctcca ccggttttag

270

<210> 47926  
<211> 194  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037525H1

<400> 47926

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actccgccat agtcttcacg gagacagaga tcggaatctg attcccaaac ggcaacagta 120  
tgagcgcat cgacattcta acccgagtcg attccatttg caagatacta gacaaatagc 180  
acgtcgaaaa gcac 194

<210> 47927  
<211> 194  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037526H1

<400> 47927

gtttcggcca cagcagagca gagagtagta agaagacact gcacagatct gagggtgac 60  
tgaaggaatc tagcttcttt cattttctcat cactattctt aggtctgagg gctcattgcc 120  
attatcatgt caaggaggcc agtaaatccc ttccgcatcg gttcaggctg atcgcgtgcg 180  
aagtcatacc catt 194

<210> 47928  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037527H1

<400> 47928

ttaactctta agaactgatt caccaacgac ccctctgaat ttcagaaaact atcaatgaag 60  
ggggaagtgc agcttcagcc tccagcgggt atgcaaaacc ctagtgattc ggaccctttg 120  
ctccataacc aggaggagga ggaggaggat gagtcaccgg gaagctctgg tgagatcaag 180

aatgaggaag aagacgttga ggctggatta ctccctgtt gtcgaatttg cctcgaaagc 240  
gattccgacc cagaggatga attgat 266

<210> 47929  
<211> 269  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701037528H1  
  
<400> 47929

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caagacaccc tagccctctc tctctctctc tttttaatcc cactgaactt cttcacaact 120  
ttgggatttg aattaacgag agccaacaaa actggagaaa gggttttgaa ctttctgac 180  
cggtttttgc atctttccat catcgccacc atttacttcc attatatgtt actttcactt 240  
tattttatct tatatgcac ttagggtag 269

<210> 47930  
<211> 194  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701037529H1  
  
<400> 47930

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gtcagggccc attttaaata ctttatcaag tgccaatgtc ttgggtcagt caagtggatc 120  
atctaggcgg gctgctgttt ctagtagccg tgatgcattt gttggtgctg agtcagatat 180  
tcggactcgc actg 194

<210> 47931  
<211> 193  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 701037530H1  
  
<400> 47931

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 ttcacgcaact cttccatcag attcaccctt togtttaacg caaactcata acttgaaggt 120  
 taatggctgc tccacgggca agggctcgtg ccgattacga ttatctcata aagcttctct 180  
 tgatcgggtga cag 193

<210> 47932  
 <211> 152  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037533H1

<400> 47932

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 cttctgccta atctgctcat ccattattta ctatggaaaa gcagaggcgc atcaagttaa 120  
 tttctatgtg cacaataaat gtccctttcc aa 152

<210> 47933  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037534H1

<400> 47933

ctgacgtggg gtggtatagc ttttttttta atctgttatt agtatggtta taaatattag 60  
 ttggaagatt aattagaatc tgtaattttt tctttctttc tttttttctc aaataatata 120  
 ataaactcga aagcaacggc tgagattggc tttgagggtt gacacgtccc ttttatcttc 180  
 cacactcagt tcccaccttt ccttctcagt cacacaaact cacaccatgt tgtgtcaagt 240  
 gtgaactcaa aacatatttc tctctttctt t 271

<210> 47934  
 <211> 147  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037536H1

<400> 47934



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 agacaacaaa catataggga ccaaacaaac aacccttgc aaggccttcg gccagggcac 120  
 cctgcgtgct actactgtcc agtgtca 147

<210> 47935  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037537H1

<400> 47935

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 ttgttttctt tcccagaatt tacgctcttc ttactatcat caagatacaa aatggaatat 120  
 cgacggacca gtggtaggca ggaaaccggt ggccgtgaca gaagacaatc taaaagggaa 180  
 caggcatatc aggactctct tattgaggat ttgtcacagg attttcgttt gccaatcaac 240  
 cacaggccaa cagaaaatgt tgatctgga 269

<210> 47936  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037538H1

<400> 47936

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 ccataataag ttaccttttg aaggcatgtc taatttacag gctgcatatg cagcggcatt 120  
 taagaatata aggccaagtg ctgatgagct tcctgaagat ttagctctga ttgtgacctc 180  
 ttgttggaag gaggatccaa atgatcgacc caatttttagt cagataatag agatgctgct 240  
 tcgatatcta accaccattt caccgtc 267

<210> 47937  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037494H1

<400> 47937

gaagaaacct gagattggtt ggggtgaagct gaacgtggat ggttcacgcg acccatacaa 60  
 aagttcctcc gctggttggtg gtggtgttct gagggacgca tcagcaaagt ggctccgtgg 120  
 ctttgctaaa aaactgaacc ctacttatgc agtgcaccag acagagttag aagccattct 180  
 cacgggcttg aaggtggctt cagagatgaa tgттааааа cтаattgtgg agtcagacag 240  
 tgactctgtg gtgagcatgg tggagaatgg ggttaagccc aatc 284

<210> 47938

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701037540H1

<400> 47938

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 gtagaagata cagatatttg tatcatcaag gagccagatc atgttgtagt ctattcagat 120  
 ggcatthccc atgattcagg tcatgaagct ggaagtgatc atcacaatat tacagagtct 180  
 tatgaacaaa tcaatgagac tactgaacat catagttcag aggagagtgc aaaggaatat 240  
 gaggtgaagg aatgtacaac agaaat 266

<210> 47939

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701037454H1

<400> 47939

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 gthtctthtt ctctgtctgc gctthtgat ctctctctgc aacctgtcc gccgagaaag 120  
 agagagagac ccaggtthac ttggccaagc ttgccgagca ggccgagaga tacgaagaaa 180  
 ttggttgagt tatgaagaaa gtagcaaaac ttgatcttga tctaactgtg gaagaaagga 240  
 acctctctc agtgggatac aaaaatgtga ttggtgcacg a 281

<210> 47940

<211> 290  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037455H1  
  
 <400> 47940  
  
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 cgagtggatc tggatggtaa ccccatcaag ccacttacga tctgcatgat cggcgctggc 120  
 gggttcatcg ggtcgcacct ctgcgagaag ctcatgtccg aaaccctca caccgtcctc 180  
 gccctcgacg tctacagcga caagatcaaa cacctcctgg atcccgccga ttccccctc 240  
 ccttgggctg gccgcatcac ctccaacgcg ctcaacatca aacacgactc 290

<210> 47941  
 <211> 165  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037456H1  
  
 <400> 47941  
  
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 ttctccacaa caacagcagc cattattgat tccccttcac ttgctcagag aatcagagat 120  
 ttgcctaagg acctccctgg aaccaacatc aagaaacatg tttct 165

<210> 47942  
 <211> 153  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037457H1  
  
 <400> 47942  
  
 gagatttgat agcctcaact caagtaaggg ttttctcttt gagaaaatcg tatcttacac 60  
 cttttggtga ccactttgag tgagagaaga gaaattaaga gagatactca aattagattc 120  
 aagagagatg gccatcaacc atgaaacttg ggc 153

<210> 47943  
 <211> 288  
 <212> DNA

<213> Glycine max

<223> Clone ID: 701037458H1

<400> 47943

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 ttggcaaaac aagttccttg tacatgaagc acaacacaga gcatgaccct ccatactgga 120  
 gaggtcctgt ttggataaac atgaattaca gaattctttc agcactccac cattactcca 180  
 aagagaatgg gccatatcag gagaaagcta aagccatcta caaagaattg agaagcaatt 240  
 taattagaaa tatagtgcgc aattatcgac agacgggatt tttgtggg 288

<210> 47944

<211> 162

<212> DNA

<213> Glycine max

<223> Clone ID: 701037459H1

<400> 47944

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 caacctttga acacaaacct gtccatttta ccagaagca ccgaaaagaa gaaagactgt 120  
 gtgctgtacc cgcgtaaaac aagacccttt tgaaacgttt cg 162

<210> 47945

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 701037460H1

<400> 47945

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 tcaattggaa gtggagggtg tgattcccaa ccactttcac tgcccgggtga gtctggagct 180  
 gatgacagac ccagtgactt tatcaaccgg catcacctac gaccgtgtga gcattgagaa 240  
 gtggatcgag ggaggggaaca gaacctgccc cgtcaccaac caggtg 286

<210> 47946

<211> 149  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037461H1

<400> 47946

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 gaacagctta agatatcaga tgatgaaat 149

<210> 47947  
 <211> 175  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037462H1

<400> 47947

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 tgtttccctaa ctgaatccga caatatctat ttttgcacg ttaatactgt ctctcagttt 120  
 gtcttaattt aagataaaat gcaatcagat aatggcaagt tatttatcgg tggaa 175

<210> 47948  
 <211> 154  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037463H1

<400> 47948

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 aagccacctt ctttgattca agaaatcaac accgagtttt caaaatccca ttttgttttc 120  
 ccttcctttt ttcctatata aaccaacctt ttaa 154

<210> 47949  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037464H1

<400> 47949

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cctcttcttt cttcttcacc ttgctattac tgctttctac tgtttcagat ttgtttgtgc 120  
aaagccgtgg ccttaatttt ggaatcaact acgggcaa a 161

<210> 47950

<211> 173

<212> DNA

<213> Glycine max

<223> Clone ID: 701037466H1

<400> 47950

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cttgacattg ttagagacca acagtcgaag accccaagtc ttatatattga atatgtcaat 120  
aacactgatt ttaaagtgtc ctatcctaca ttgtcagact acgaaatacg ata 173

<210> 47951

<211> 149

<212> DNA

<213> Glycine max

<223> Clone ID: 701037467H1

<400> 47951

tgttcttctt tttgacacgc atagtgaag acaatggttg acaatatgaa gagaagtagc 60  
tttgaagtgt tgggaatgtg ctgtgctaca gaagaagcac tggttgacag acttttgaag 120  
cctcttcgtg gagtcaaaga cgtctcagt 149

<210> 47952

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 701037468H1

<400> 47952

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ctaataactc tagtagtagc cacggcaatt ccttctcca gatgcccccc atcaagttta 120

ccaagctctt catcaatgga gatttcg

147

<210> 47953

<211> 198

<212> DNA

<213> Glycine max

<223> Clone ID: 701037470H1

<400> 47953

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ctcagagacc tcgtaccaca aaacatagat ggcacagata ggctgatca tgtggatcta 120

gctgctcttg aaatttatag agatagagag aggagtgtgg ctagatacaa ccaattcagg 180

agggcattac tgttgata 198

<210> 47954

<211> 153

<212> DNA

<213> Glycine max

<223> Clone ID: 701037471H1

<400> 47954

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acagcctgaa tcctctatag atcgaaactg ttaagtttcg acaaacttga cacaaggaca 120

ccatcaacat cttgaagagc tcgctgtgtt gtt 153

<210> 47955

<211> 149

<212> DNA

<213> Glycine max

<223> Clone ID: 701037472H1

<400> 47955

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tctcgatctt ggcggattcc tcccatcg 149

<210> 47956

<211> 129  
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 <213> Glycine max  
  
 <223> Clone ID: 701037473H1  
  
 <400> 47956  
  
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 ctctgacca 129

<210> 47957  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037475H1  
  
 <400> 47957  
  
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 cagagcttct ggcaattggg tgatgaactc cgtgggcact caaaagcatc ggaggatcac 120  
 aagtggttaa tggttgcctc gaaactggcc gaacagacaa g 161

<210> 47958  
 <211> 282  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037477H1  
  
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 caaagtgtgc ttggagaagt ggctggacta ctggaacatt acatgccac tttgccggac 120  
 tcccttgatg cccgaagatg acacaccttg ctttcagtaa gcaaaacaag tgagcatgcc 180  
 aataagagag agtttcatgt acagtgtagt gtacatatc ttgagggttc ttgatgttca 240  
 cgcactctgag ttctgccacc tttttaagtt ttaacctttt tg 282

<210> 47959  
 <211> 288  
 <212> DNA



<213> Glycine max  
 <223> Clone ID: 701037478H1  
 <400> 47959  
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 acggcggttg ctcgcacccc accaccggcc acgtcaccga cgtcaacctc cgcggcgagt 120  
 cccaagaccc aatgttccag aagcttggtc gctccggcta catgaccggg aaaatatcgc 180  
 cggagatttg caaccttagc aacctcacia ccctcatcgt cgccgactgg aaggccgtct 240  
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 <212> DNA  
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 <223> Clone ID: 701037480H1  
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 gtggaattgt catcgccctt gaagagcaaa gaga 154

<210> 47961  
 <211> 194  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701037481H1  
 <400> 47961  
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 cgaagaatgg agccgggagg gtcaccgggt tgcaagtgcc cttccacagg ccggttttct 120  
 tacgattctt ggaggccggt gggctcagga ggacgcagcc gttgagatag ctgaaaaaat 180  
 ttctcagttt gtat 194

<210> 47962  
 <211> 149  
 <212> DNA

<213> Glycine max

<223> Clone ID: 701037482H1

<400> 47962

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tttctgtaga tatctacact gatatcatgg agaacaaagc cctctttagg cttcttggtta 120  
ttcttctggc tcttttcttc gttgtattt 149

<210> 47963

<211> 118

<212> DNA

<213> Glycine max

<223> Clone ID: 701037483H1

<400> 47963

cgagagtact gatgcaagtg cgacgaggac tgtctgtatc ttttcttttc ttaatagaca 60  
gctgatatta tagttgtatg aacgttaaca tgataaatat attgtcaact ccatttat 118

<210> 47964

<211> 126

<212> DNA

<213> Glycine max

<223> Clone ID: 701037484H1

<400> 47964

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gttgatgtgt agggtaactt gaggagtgt aacaacaggc gagctactat tgattgacaa 120  
ctacaa 126

<210> 47965

<211> 152

<212> DNA

<213> Glycine max

<223> Clone ID: 701037452H1

<400> 47965

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gtctttctcaa cgaatacatg gtcgacgaac catcttggtc aacaccaaga aagagactct 120

tcaatttacc ttgtgtttca tccatagaag aa 152

<210> 47966

<211> 127

<212> DNA

<213> Glycine max

<223> Clone ID: 701037486H1

<400> 47966

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attgctagta actctgacgac tttttcaaaa ggtatggaag tctcgcatca gattgcaaatt 120

gcgtacc 127

<210> 47967

<211> 140

<212> DNA

<213> Glycine max

<223> Clone ID: 701037488H1

<400> 47967

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ttagcaccta catcacagat ctttaacgat aaaataaaaa tggatccaaa cgcggtgaag 120

tccactctct ccaatctggc 140

<210> 47968

<211> 192

<212> DNA

<213> Glycine max

<223> Clone ID: 701037489H1

<400> 47968

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tgctctgagt agtgtgtata cttttggccc cacatttcgc gcagagaatt ctcacacttc 120

caggcatttg gccgagtttt ggatggttga acctgagatt gcttttgcag agttgaagga 180

tgatatgaac tg 192

<210> 47969  
 <211> 196  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037490H1

<400> 47969

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 ctcttctctc tagaaacgta tagacgaaac aatttctatg actatttctg cttctgcttc 180  
 agatgcaacc ttttag 196

<210> 47970  
 <211> 191  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037491H1

<400> 47970

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 gcattcacca cccaaagcca aaccctattt ctctttcttc cctgtttggt tctagccagc 120  
 acaatgagga gaggagctaa gagaaagacc aagcaggacc aagaagccaa acacgacgca 180  
 cccgaagata a 191

<210> 47971  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037493H1

<400> 47971

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 aaatcgttca agtcccagaa ataccagctc cataaccagc tttcttcttg gtgtctaggg 120  
 aaaaaggtaa aattttgagg ctcaataagg aacattcgac atgttcaggt catctcagca 180  
 gaggaattcg agatgcaaag acttcaaggt gaaacatgct cttcaaatat gtgttcttct 240

tggcgtttgt atctggatgg cttatctagt tcagcattct cgtg

284

<210> 47972  
<211> 290  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037412H1

<400> 47972

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gcttctcgca attgggtgat gaactccgtg ggactcaaa agcatcggag gatcacaagt 120

ggttaatggt tgccctgaaa ctggccgaac agacaagatt gaagggggag cgtgtgaaca 180

accttgatct ttcaaagga cccattgaaa caaggtcaag ggataaattt gggttccagg 240

aagagaacaa atttgattct ctttaactga gcatgttgaa cctggactct 290

<210> 47973  
<211> 156  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037414H1

<400> 47973

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ttcattgcag attccatgtc atcgttgcac aactaaaact ctcttatttt gcgttcagtc 120

aatcatttta ttacatgtg ctgtttattt tctagg 156

<210> 47974  
<211> 155  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037415H1

<400> 47974

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acggctagac ttttcagttt tcaccccta ttaataacaa accattaccc ccacccctca 120

gaatcttcat cttcaactca gctactccta ttac 155

<210> 47975  
 <211> 160  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037416H1  
  
 <400> 47975  
  
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 gaaacccacg gcaacattct tctttctcct tccttcaaca acactcggtg tttgtctttg 120  
 ccttggaatt ggaacaacca ccctctttat aaccctcctc 160

<210> 47976  
 <211> 169  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037417H1  
  
 <400> 47976  
  
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 cagaacatat ccacaacaca gctgagaagt tcattttcaa aatggccggt ggggtgggtc 120  
 ctgtcgatgc atcaccgatt ggacatggct tcgttgcaa gataacgct 169

<210> 47977  
 <211> 155  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037418H1  
  
 <400> 47977  
  
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 ctccgctttc gtcttctctt ttcaagagaa agtgcagctc tgagaattta ggttctggaa 120  
 agtgcggtag ctctcttagc cgctgtcatt gttcc 155

<210> 47978  
 <211> 156  
 <212> DNA  
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<223> Clone ID: 701037420H1

<400> 47978

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aacaggctgt gaaggccatc aaagcagctg aggaaggaag aacagttgag gaggatgatt 120

accttcata cttctattcc cgttcatttg atctgt 156

<210> 47979

<211> 154

<212> DNA

<213> Glycine max

<223> Clone ID: 701037421H1

<400> 47979

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gacggcgagc tccgcctctg ggacctcgcg gctggcacct ctgaccgccc cttcgttggc 120

cacaccaagg acgtgctctc cgtggcgcttcc tcca 154

<210> 47980

<211> 134

<212> DNA

<213> Glycine max

<223> Clone ID: 701037422H1

<400> 47980

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ttcgacatct gctggtcgtg agaactgggg agagaccaac atggctgatg ctagccctag 120

gactgatact tcaa 134

<210> 47981

<211> 131

<212> DNA

<213> Glycine max

<223> Clone ID: 701037423H1

<400> 47981

aaaagatggc gcggttgatc acagtgggtg ggtgcgcggg ggcggtgcta ctgtgcgccg 60

cggcggggcgc gtcgtgggtg gaggaggcgg cgaacccgat acgaatggtg gcgggggtgg 120  
aggcggaggt g 131

<210> 47982  
<211> 152  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037424H1

<400> 47982

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caattgacag tggtgggatc ctgcagacaa gtaacggcgg aggatctgtt gcgatgtcta 120  
tcgataatag cagtgtcggg tccaatgatt cc 152

<210> 47983  
<211> 181  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037425H1

<400> 47983

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agttatgggt aaagttcacg gatcacttgc acgtgccggt aaggttagag gccaaacccc 120  
aaaagtggcc aagcaggata agaagaagaa gccacgtggc cgcgctcaca agaggatgca 180  
g 181

<210> 47984  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701037426H1

<400> 47984

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gtccacttaa aaataaaaaa gccctgaaat atctgaactt aaaagccaca cttttatttg 120  
ttgtgtgtga ggtttgattt gatgggaaaa tatcttgaat ctgcggcgag gttggaagag 180



ctatcgcgga ttgtgtcatc

200

<210> 47985  
<211> 288  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701037427H1  
  
<400> 47985

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tggtgaagtc tataaacttt ctctgcttc tgtctctact agcctttgtt cctcctgtc 120  
actgcaaaaa gaaaatagga ggttacctct accctcaatt ttacgacggt tcatgcccc 180  
gagctcaaga gattgtccaa tccatcggtt ccaaggctgt ggcaaaagaa ccccgcatgg 240  
ctgcttcgtt gtcagacta catttccatg attgtcttgt caagggct 288

<210> 47986  
<211> 206  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701037428H1  
  
<400> 47986

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actcttcatg ccactatcta tgaagtcgat aagctcaaaa ttggtggagg caacttttta 120  
accaagatcg tacaaaacat cgaggagact gttggtattg gaaaagggtg cactaaacta 180  
tatgcaacca ttgatctaga gaaggc 206

<210> 47987  
<211> 154  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701037429H1  
  
<400> 47987

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catagatggg aaggttaca catgtctgga gagtattgaa tccattgatg aacagagcaa 120

aacaatcacc tacaagctct tcagtggatga catt

154

<210> 47988  
<211> 153  
<212> DNA  
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<223> Clone ID: 701037430H1

<400> 47988

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caaagcggac ttcaacactg tgttcagtga cgcttccttc aacttcatgt tcaggttggt 120

ctgtgatggc aaagaccctt cgcagaccaa cct 153

<210> 47989  
<211> 202  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037431H1

<400> 47989

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ccaacttggt gaaacaaaca atgatgcaaa gaggcacaat tctaagacat tgagatcttt 120

gaagtatgct gccaaagaaat gtgtagctgt tttttcattg attatctatg gcaaaagaaa 180

atcagcctca tatgttggtg gc 202

<210> 47990  
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<212> DNA  
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<223> Clone ID: 701037433H1

<400> 47990

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cggtgggcat tgggtgttggt agttccttct ccgggctcgg taccagtcg tttccagtaa 120

cctactcaag aaagtccttc gaatagccc a 151

<210> 47991

<211> 154  
 <212> DNA  
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<223> Clone ID: 701037434H1

<400> 47991

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 ggataaggat gccgagccca ctgaatttga ggagacagtt ggacagtact tgttcgactt 120  
 ggagaacacc aatcaggatc tgaaaagtga cttg 154

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<223> Clone ID: 701037436H1

<400> 47992

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 tgagcttcct ttggatttgg taggggagcc agcagaaaaa attctacgag cagtagagaa 120  
 cttcaccaaa cctctaagct ctcttcctgc a 151

<210> 47993  
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 <212> DNA  
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<223> Clone ID: 701037437H1

<400> 47993

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 ccggcgccct ctactggttc gtctgtgttc tgggccccgc cgagcagaag ggcaaacgcg 120  
 ccaccgatct atccggcggc tccatctccg ccgagaaagt ccaagacaac tacaagc 177

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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037438H1

<400> 47994

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 cttccgactt cgccaatttg gcttccgagg ctcagcgcat gctccacttc ggcgccgatt 120  
 ggctccacat ggacatcatg gatgggcatt ttgtcccaa tttactatt ggcgctccag 180  
 ttattgaaag tttgagaaag c 201

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<211> 212

<212> DNA

<213> Glycine max

<223> Clone ID: 701037439H1

<400> 47995

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 tccgatctcc gacgagtctg cgcaggcgaa gaatcgcgag gccagccgcc ggtcaagaat 120  
 cgcgcgattt gtctggaaat cgcgattcag ccacgattca tccccgatac tgagactcaa 180  
 ccacgattca ggaagaaaaa cgagacaacc tc 212

<210> 47996

<211> 155

<212> DNA

<213> Glycine max

<223> Clone ID: 701037441H1

<400> 47996

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 cacttcttac tactgtgaag tttgagtttg tgggtgtgcaa gatatgaagg attttaccat 120  
 ttaaagagat caacttggtta ggtatatgga gaaga 155

<210> 47997

<211> 175

<212> DNA

<213> Glycine max

<223> Clone ID: 701037442H1

<400> 47997

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 tgcccaagca ccttgacgag aaagtggctt ctctccacct tggccagctt ggagctaggc 120  
 tcaccaagct ttccaaagac caagctgatt acatcagtgt gcctggtgag ggtcc 175

<210> 47998  
 <211> 202  
 <212> DNA  
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<223> Clone ID: 701037411H1

<400> 47998

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 gcaaccgcat aagggttaaac tgtaagcat atcattgaaa tccttttggg attggacatt 180  
 gatatgatca tttgtattgg gg 202

<210> 47999  
 <211> 221  
 <212> DNA  
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<223> Clone ID: 701037443H1

<400> 47999

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 tccagctaac agttgtttcc cgctgaaaag ttgcttcccc acagaactgt aaagcaaacg 180  
 gttagatgca ccaacacaag caccactaac gaaccattgg t 221

<210> 48000  
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 <213> Glycine max

<223> Clone ID: 701037444H1

<400> 48000

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tccaatccaa agacttcggt tatgaagatt tagcgaaaag ggttgaaatt gatcatggat 120  
 ttgggaagcg aatccgtgga agagaatgaa gt 152

<210> 48001  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037445H1

<400> 48001

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 aaccaacatg aatgtggaag aggttttctt tt 152

<210> 48002  
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 <212> DNA  
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<223> Clone ID: 701037447H1

<400> 48002

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 tggttgcttc gaaattggcg gaacagacaa gatt 154

<210> 48003  
 <211> 153  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 701037448H1

<400> 48003

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 atggtccac cgtatttgac aagatcatca ataaggaaat tccttctact gtggtctatg 120  
 aggatgataa ggtccttgcc tttagggaca tag 153

<210> 48004  
 <211> 153  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037449H1  
  
 <400> 48004  
  
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 cagggaaaga aagaattgga gttgtcttta gaggaaaaag cagaagaatc tgccaagatt 120  
 tcattctgaac tcaatttttt ggagaagagc ttg 153

<210> 48005  
 <211> 140  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037450H1  
  
 <400> 48005  
  
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 actacaccac cgtggaagaa taccttggtc agttcgcttg agaatttaaa aggagaaaaga 120  
 tgctcttggtg atcggatatt 140

<210> 48006  
 <211> 172  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037451H1  
  
 <400> 48006  
  
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 gccgcacaat tttccttcac tcgcagcgga ggtttacttt tgatctagta cctgctatcc 120  
 ctatgtataa gcatggactt ctagcatact attgtttgat taaccaagtt ct 172

<210> 48007  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037375H1

<400> 48007

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agttggaaac tatgttattc agctagctaa acaagtttat aaggcgtcta agatagcagc 120  
aactgctagc accggcaaac ttgaactttt aagggagttg ggcgttgact tgcctattga 180  
ttacacaaag gagaacgtcg aagaccttcc agaaaaatac gatctagtgt atgatgtagt 240  
agggcaaggt gatagagca 259

<210> 48008

<211> 267

<212> DNA

<213> Glycine max.

<223> Clone ID: 701037376H1

<400> 48008

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tcaaatgagg acagtgattt cgcgcttgat ccattccacg ccttccattt ccagggtcaa 120  
tgccacggta gtgtcaatca gcgggagaaa tctctgcaca gattctaaca aagttcctgg 180  
gccattcaaa gttgaagaag cagagactgt aaatgtgcct ccaactccaa cagaaaagtt 240  
gcttgtgttg ggagggcatg ggttgtt 267

<210> 48009

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701037377H1

<400> 48009

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atagccatct actgggggca aaatggtaac gagggcacc tctcagaagc atgtgcaaca 180  
ggcaaataca cccacataaa catagccttt ctcaacaaat tcggcaatgg ccaaacccca 240  
gaaatgaacc tggctggtca ctgaaccccg caac 274



<210> 48010  
 <211> 258  
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 <223> Clone ID: 701037381H1  
  
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<210> 48013  
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<223> Clone ID: 701037382H1

<400> 48013

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 agttagggtt tttaactcta ttcgatcggc gatttcgaat actcggaggc tcgaatcgtg 180  
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<210> 48014  
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 <212> DNA  
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<223> Clone ID: 701037383H1

<400> 48014

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 aaatcaggag tttaaaaca catcactggt tatgaactag gtggatcatgc agtaaagcta 180  
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 <212> DNA  
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<223> Clone ID: 701037384H1

<400> 48015

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gcttcctcgg ctctactac caagccacgg tcgtgtcgcg cctcgacaac ggcctctacg 180  
 tcgtacgctc acgacacgct cctcgaagac gacgcatcac aacaaccct taccgaaacc 240  
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<223> Clone ID: 701037385H1

<400> 48016

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<223> Clone ID: 701037386H1

<400> 48017

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 tcttttagttt cctgaccctt ccattgggaa ctatcatccg gcttggggaac caatttcaac 180  
 taccggtaca gattggtagc atcaacaatc tgtacgagag tgtgcaaaat ttgagccctg 240  
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<210> 48018  
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 <213> Glycine max

<223> Clone ID: 701037388H1

<400> 48018

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 aggatctgag ttgagttgag tgatcatgtg tgggtggtgcg attatctccg acttcatacc 180  
 ggcacgtccc gccagcgggg cgcgggcggt gaccgccgac atcctgtggc cgagtttgag 240  
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<210> 48019  
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<223> Clone ID: 701037389H1

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 actcttcctg tgactcttgt tcacttcctt cagtggggta gcatgttctt ccttccttca 180  
 aaggatgtca acaagtccac tgaggaatac tattacaccg ctgagtggaa cgaggaagag 240  
 aagctaaaag ggttgcaccg aatagtctc 269

<210> 48020  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037390H1

<400> 48020

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 ctgctccgct aggattgggt gtgggtggtt tagagcgcaa gaggagaact agacttcaac 180  
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<210> 48021  
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<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037391H1  
  
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 gaaatccact accactgggc acctgactta caagcttgga ggcattgaca agcgtgttat 180  
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 gctggacaaa cttaaggcga gcgtgaaa 268

<210> 48022  
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 <213> Glycine max  
  
 <223> Clone ID: 701037392H1  
  
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 tgtatggggg gcacaaagta ctgggaatag agggagggtg tagaggtttt tattcttgca 180  
 atactattcc attgacgcca aaggttgtga atgacatcca caaacgtggg ggaaccatcc 240  
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<210> 48023  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037394H1  
  
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 aaagagaaga agaagcggaa tttgccctac ttgccttcga gaccgtctcg taactctttg 180  
 ccctgactgt gctaacgtgc gtcctgttc ctgctacgca accagctcct cctcctcttc 240

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271

<210> 48024  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701037395H1

<400> 48024

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ttccagtcga tgttcctagg gtatcttcca tttaaacaat gaatttttta aatatttgtg 120  
tatcactatc agcattaggt ggtagctgtt ggactggtga aattatcctg caaagttgtt 180  
gtaatacatt gctaatttcg gagtactgta ggattttatt tttaggacac aacttagaat 240  
gcatgcagtt cataagatgt tt 262

<210> 48025  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701037396H1

<400> 48025

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ttgagttatt ttgtcagcac attccattta cttaaatttt gtttgcgaaac ctcttcgatt 180  
tggttatatt aatggttatat tctggtatga tgcac 215

<210> 48026  
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<212> DNA  
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<223> Clone ID: 701037403H1

<400> 48026

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taatgtaaag tccaagattc aagacaagga agggatccca ccagaccagc aacgtctca 179

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<212> DNA  
<213> Glycine max

<223> Clone ID: 701037404H1

<400> 48027

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atgcagccct tatgggactc tggtaaagat aatagtat 158

<210> 48028  
<211> 150  
<212> DNA  
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<223> Clone ID: 701037406H1

<400> 48028

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tactaatatc attcgccgcc aggtccagt 150

<210> 48029  
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<223> Clone ID: 701037407H1

<400> 48029

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aagagagagg tgaatctgaa ggtgctcaag attccggaaa tcgaacagaa ggtgctggat 180  
gctactgata atgaaccttg ggtccc 206

<210> 48030  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037408H1  
  
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 acttggcact caaaaattgc acttcagttt ttgaggggct agattccatg gtggatgttg 180  
 gtggtggaac tggaac 196

<210> 48031  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037410H1  
  
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<210> 48032  
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 <212> DNA  
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 <223> Clone ID: 701037374H1  
  
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 agcctccaaa tccgtttcaa gatcgagaa agctgggtctc caattccccg ttggaagaat 180  
 cgctcgattc cttaaggctg ggaaatacgc cgagcggtgtt ggtgctggtg ctctgtgta 240  
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<210> 48033  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037349H1

<400> 48033

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 gcagtttaca tgaagctctt caaagatgga agctcccagc tcatcgttcg ccagagcctc 180  
 aacaacttcg tcaagagccg aaagcgcgtt taccaatggg aggtaggcga cacgctcaag 240  
 aagcttcgcg atcgcaagct ctatcaaacc gctcttaact atcag 285

<210> 48034  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037350H1

<400> 48034

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 atctcgatgc gcttctggac atgtccaccg atgaactcgt gaagatgttc agtgctcgcg 180  
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<210> 48035  
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<223> Clone ID: 701037351H1

<400> 48035

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gccgaagaaa gcttgaacc atttcaggaa cagaatcttc caagtttctt gttttctctt 240  
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<210> 48036  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701037353H1  
 <400> 48036

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 caccgtgaga aaccagggg atgtggagaa ggttggtttt ctgactgaac taagtggagc 180  
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<210> 48037  
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 ctcacccga cacgttgaag gcgggggttg ctgagttcat ctccaccttg atcttcgtgt 180  
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<210> 48038  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701037355H1  
 <400> 48038

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 aagcaagaaa attctgctaa tgggtgattat acagttgagg atgaatccta tgcacacagt 180  
 gaagatgacc tggcaagaag ccccatagct ctagctggga ggagtagcgt ggagagtctt 240  
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<210> 48039  
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 <212> DNA  
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<223> Clone ID: 701037356H1

<400> 48039

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 gccatggcta ccaccatcgc cgcccttctt accaaggtgg ctcccgcgt cattgtcggc 240  
 ggcggaagag tgggtagggc cttgcaggca tgggca 276

<210> 48040  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037357H1

<400> 48040

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 cgttgaccag cttggtgggg atgcactagt tggattggtt gctgtggccg tggcacatgc 180  
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 gtcaccttga gctcttgccg tggta 266

<210> 48041  
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<212> DNA  
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 <223> Clone ID: 701037358H1  
  
 <400> 48041  
  
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 gccacctcgt ttcattgttt tgaattcaac tgagaaaaac gacaacgagg atgtttcagg 180  
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<210> 48042  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037359H1  
  
 <400> 48042  
  
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 ttctctctca tattcatatg ctctctcaca ccaatctcac agtcacaggg attacatcaa 180  
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<210> 48043  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037360H1  
  
 <400> 48043  
  
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 cgaatcgttt ttgacatttc totacctttt gcacatttaa ttttagtacg caattttgat 180  
 actccactcg ttgatcttag aattatgagt cttttatccc tgctgtttaa tagcaatctt 240

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tttaagctgt tgcattcatt tattat

266

<210> 48044  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701037361H1

<400> 48044

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tacagttttg gtttggtttg cttgattgaa gatcaaggaa ggacagatgt tgggtggttat 180  
aaggcacaag agtattcgcc ccgccttctc cgcaatcaga cactttctctt ctgcagctaa 240  
agagattact gtccaggatg ctctcaactc gcac 274

<210> 48045  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701037362H1

<400> 48045

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tatcacagct cgcgttaact taagccctct ccggtgaggg tttctccagg tgtggtttga 180  
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cactgttgga aggtggtgcg 260

<210> 48046  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037363H1

<400> 48046

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<223> Clone ID: 701037367H1

<400> 48049

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 ataattaaat aataatttaa aaaaatcatt catttattta tataatagct taattggggt 180  
 ctctttttgt aactattctc cttgctcttc ttgttcttct tcctcctttt actccttcaa 240  
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<210> 48050

<211> 278

<212> DNA

<213> Glycine max.

<223> Clone ID: 701037368H1

<400> 48050

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 gatgctgcaa gatgtaaact ttctgctgtc gatagtcgat gcctatcctg tttattgctt 180  
 atgggtttacg tatctattga gcagatattt tgctgctttg attatgtgca ttctcttcaa 240  
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<210> 48051

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701037369H1

<400> 48051

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 atccaaagac atagtcatcg cagacaaccc ctacgtctcc gctcgcattt tccttcccaa 180  
 atcccaccac actaacaaca aactcccat ctctctctac ttccacgggtg gcgccttttg 240  
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<210> 48052  
 <211> 273  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037370H1  
  
 <400> 48052

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 catgggattt ctataggacg agctgtccca tgcttgaagg gatagtgagc aagcatctcc 180  
 agaaggtggt caagaaggac aatgggtcaag ctctgcctt actcaggatc ttcttccatg 240  
 actgctttgt tcagggttgc gatggtcgat att 273

<210> 48053  
 <211> 276  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037371H1  
  
 <400> 48053

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 tcagttgttt ttgtgttagg tggcccagga agtggaagg gtacccaatg tgcaaatatt 180  
 gtccaaaatt ttgggtatac tcatctcagc gctggtgatc ttctgcgagc agaaatcaaa 240  
 tctggttctg aaaatggtac aatgatcaga atatga 276

<210> 48054  
 <211> 276  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037372H1  
  
 <400> 48054

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 gagaaagcca tgccagagac gaagatTTTTT ggcattgctgt ttggccaaac actcccatc 120



caagttcatt gcgagatctt ctaaagcctg gccctgcaag tgttgaaatc gatgatcacc 180  
 ctatgcaaat tgaagaaaca cagtaccga aaaccttcct ctataaagaa gaccttcac 240  
 caggcaaaac aatgatagta caattagcaa gcctcc 276

<210> 48055  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037348H1

<400> 48055

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 tgtgattttc ttctgtgaat tgaattcgag tcgttgcttc tggcttcggt gcttgctgta 180  
 ttgttggcac aagttattgg tccaattgaa atgaaagagt ttgagtgaca aggagactta 240  
 gactgtgtgg tctggccatg gag 263

<210> 48056  
 <211> 285  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037321H1

<400> 48056

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 gcccagaac tgcatagcac caaaaccaga atactgcaat agtactcatc actctgtgga 180  
 cgaaccacca gagatgaccg agccacatga ctcaactggt atttcctatc ccatgcaaac 240  
 caatgaacaa caacaacaac cgttcccaaa actcatatgt acccc 285

<210> 48057  
 <211> 281  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037323H1

<400> 48057

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 ctgcaggtac gggaaatggc atggcaaagt ctcttcttga ttcagttggg gatccttgta 180  
 cagtacccaa tgctgttctt gccatcatatc gagggcgtaa gcgaaaactt gatgtggcca 240  
 ccatcacaca aggggagacc agatttttca ggtgttgatg c 281

<210> 48058

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037324H1

<400> 48058

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 ttgctagagc tgctgttcca agtgggtgcat ccaactgggat ttatgaggcc cttgaattga 180  
 gagatggagg atctgactac cttggaaagg gtgtatcaaa ggctgttgac aatgtgaaca 240  
 ccattattgc cctgctttg gttggcaagg accaactca 279

<210> 48059

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037325H1

<400> 48059

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 atgagaatat catcatgttc caccatttcc ccacattgat ccaacaagga gattccaaca 120  
 attgaaaact ccttatcatc tttctcttgc aacatcgttt cgcggttcct ttgccgtgat 180  
 ttcaattgtt gcataagaaa acatcaactca ctagttcttt cctctccttt ttcattcaat 240  
 ttctctgatt gacacaattg ccgcccagtc agtgattga 279

<210> 48060  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037326H1  
  
 <400> 48060  
  
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 agtcagtagt agcagtagta acgtacgaaa caccatacat gagtttcttg ttaccattac 120  
 caaccctctt gttgtgtctc cttgttgtgt taatttattc cctgcaatca aaggccgatg 180  
 aatttgattt cgatgagtc ttgttcaatg caaaaaccgc ttccagtggc agataacttg 240  
 ccggaagatg caacttgctc cgtggg 266

<210> 48061  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037328H1  
  
 <400> 48061  
  
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 gtcattgctat tgctatctca tagatttaga tctaaaatct cccttcttca ttgctgaacg 120  
 cggttaaggc tatgttatga atgcgttcta attaagacac aataatgaca aggcaacaag 180  
 caagttccac gagacgtggc ggtctttcag gagtcttgca ttccaaatcc acatcttctc 240  
 ctctactctc catat 255

<210> 48062  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037329H1  
  
 <400> 48062  
  
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 gatgttgctg ctcttacaaa agcgattctt aaggcatttc ggtccttagc agcagaagaa 120  
 aaagacttga atctgctcca acttgaattg aagcaaagac tgatgggaca gaactttttg 180

cttgctgtag atgatgtttg gcacgaacac tattggagtt gggaggcact ataaattccc 240  
 ttcatttatg gatcttcag 259

<210> 48063  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037330H1

<400> 48063

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 aaacccgggt tcggagtcct ttccgtactt cgaagacatg aacgaactcg agacagtctt 120  
 caaccgcttc gacgccaacg gcgacggcaa gatctccgcc gacgaactcg acagcgtcct 180  
 ccggtegctc ggatccggcg tctctcccga ggaactccgc cgcttcatgg aagacctcga 240  
 caccgaccgt gacggcttca tcagcctcac gaggtcgc 278

<210> 48064  
 <211> 291  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701037333H1

<400> 48064

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 ccattccaaa acagattgta gaacaaagaa tttcgaagca cagtgttgaa caaagaattc 120  
 caaagcagag tgttgaacaa agattttccaa agcagagtgt tgaacaaaga attcaaaagc 180  
 agagtgttga acaaagaatt caaaagcaga gtgtggaaca aaganaagac atacgagaac 240  
 tatatagacc taaaatggca ccanaacaac cagtggcatc atcaaaccac a 291

<210> 48065  
 <211> 286  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037334H1

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 cccttgtgtt ctccctcacc cgcgacattg gcgctaccaa attcaccgct tggaggattg 120  
 cattctttgt ccctgccatg ttccaaatgc tcacagcatt ctcaattctg atatttggtc 180  
 aggacatgcc tgatgggaac ttccgcccgt tgaagaagtc aggggaaaaa gccaaagatg 240  
 atttttcaag agtcttatat cacggtgtta caaacatagg ggatgg 286

&lt;210&gt; 48066

&lt;211&gt; 284

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 701037335H1

&lt;400&gt; 48066

ctcactgcaa cggcgccgga gatccgtcgc tctctctctc caccaccacc gcgatgggcg 60  
 ccaattccat gctcgccgag ttctctcacc atctcgacga ccagatctcc cagctcatgc 120  
 agtgcaagcc actctccgag caacagggtcc gaggtttatg tgagaaggct aaggagattt 180  
 taacggatga aagtaatgtt cagcctgtta aaagccctgt gacaatttgt ggcgatattc 240  
 atgggcagtt tcatgatctt gctgaactgt ttcgattgga ggga 284

&lt;210&gt; 48067

&lt;211&gt; 282

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 701037336H1

&lt;400&gt; 48067

atctatattt atccacacac aacacacaac acacaccttt gcctctgctc cgcataactc 60  
 ctcacacaca cacacaaaac agaacacaac acatacacat acacatgttg ttgatgagtg 120  
 gaggcaacaa aaaacacaga tccatcacac acatgaacaa ttgatctttg tcctttgtat 180  
 ataatttgat tctaattttt ggcactaaga gagccactca aggctctggg atgtactata 240  
 cgccattcgg ggttctgatt ttcggcggag agaggttcaa ga 282

&lt;210&gt; 48068

<211> 280  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037337H1  
  
 <400> 48068  
  
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 tggagagggtt gcaaattcaa atcagaaaaa tagtgagtta tggttgtatt tttcagttac 120  
 tgatgtgtaa ttatatcccc attgtctggt aaagtggtaa taccagtggt gtaattcttt 180  
 gggaaatgct ttttttttta ttttttttcc ttttgaattc agaggacatg tcaaaagtac 240  
 ttggttcattg tggccaacat gagggagggt aatcctccta 280

<210> 48069  
 <211> 280  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037338H1  
  
 <400> 48069  
  
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 taaaggaacg catacctatt aatcgtttca gaccaaatat ccttggtgaa ggttgatgc 120  
 catattctga ggacttggtg acagagatca agataagcag gttttcattt cttggtgtca 180  
 aactgtgctc ccgttgtaag gtacctacaa tcaatcaaga gactgggata gctggatctg 240  
 agccaactga gactcttatg aaaactaggc tggcaaagtc 280

<210> 48070  
 <211> 280  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037339H1  
  
 <400> 48070  
  
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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180

acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240  
 tacatcactg tcttaaccgt tatgggagtc cgggggctaa 280

<210> 48071  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037340H1

<400> 48071

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 gggaagtgt gtgaaaagca aggaattccc tatgaatatg gaaaaggacg cctggaggac 120  
 cgatcatcac ttgtggctga tattcagaat gtgaagccaa cacacatttt taatgcagct 180  
 ggagtaactg gcagacccaa tgtcgattgg tgtgaatctc ataagacgga aaccattcgc 240  
 accaacgttg ctgggacttt aacattggcg atgtcagca 279

<210> 48072  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037341H1

<400> 48072

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 ttttagtcct aagatctatg ctcaagaatg taaattggtg gctctatgaa tccaaattgg 120  
 gtgtgaaaca gtactctttg cccccaggtg acatgggatg gcccttcatt ggcaacatgt 180  
 ggtccttcct cagagctttc aagtccaagg accctgattc cttcatctcc tcctttgtct 240  
 ccagatatgg aagaactgga atgtacagac cttgatg 277

<210> 48073  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037343H1

<400> 48073





<213> Glycine max

<223> Clone ID: 701037347H1

<400> 48076

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atcgccatgg catcaccagc aagaaccttc tttgccttca ttctcgccgt cgtcgctctc 120  
ttcttcgccg ccgccaatgc tcaagacctc tccccggctc cgagtcccgga tgccggagcg 180  
gcgggatccg ttctgagctc cgtcgccatg atcggagctt cggttgtgct gtcattgatg 240  
gctatcttga agca 254

<210> 48077

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701037320H1

<400> 48077

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tgccagccct tatagatgaa aaaatattgt gcatgcatgg tggctcttcc cctgaactca 120  
caaacttgga tgacatcagg aatctacctc gtcctactgc aattcccgac actggcttgc 180  
tttgtgattt gcttttgtct gatcctggta gggatgtgaa gggttggggg atgaatgaca 240  
gaggagtgtc ctacacctt ggccctgata tgctcgctgaa tt 282

<210> 48078

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701037291H1

<400> 48078

caactatggt ttctgtgggtg tcatcagtgc tactgttttc ttccaaatca taatagttga 60  
gtacttgga acctttgcaa acacaacacc tctcaccctg gcacagtggg tcttttgctt 120  
gttggttga tttttcgga tgccaattgc tgctgccta aagaagatcc ctgtttgaag 180  
cacctgaatg gataaaaagc agtagttggg taccgttagt tggtgcattg cttcaaggct 240

cattatgcct ttacattcac taac

264

<210> 48079  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037292H1

<400> 48079

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gacgttgaat ccaagtatgc ccacaacggc aaggtcatgg tgggcaccgc cattctcctc 120  
ttcattctca taataatcat tattttcttc cacacctacg tccgcccctg ccgccgtcgc 180  
cgccgcttct ctcatcgct tccgaccaat tcttcgcgc ccgcctctct cgacgaccgc 240  
tgccctgacc cttccatcat caagtcctt 270

<210> 48080  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037293H1

<400> 48080

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agggccttcc aaatgttggg tctggtgctg ctggtgctgg ctcttttagac tttcttcgca 120  
acagtcaaca gttccaagcc ttacgcgcta tggtagaggc taatccacaa atattgcagc 180  
ctatgctaca agagcttggc aaacaaaatc ctcatcttat gcgattgatt caagagcatc 240  
aagttgactt ccttcgccta attaataa 269

<210> 48081  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037294H1

<400> 48081

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gacactaaga ttgtatccac cagccccctt ttcacacct cgtgaattca cagagaattg 180  
catcctaggt ggataccaca tcaaaaaggg aactcgactt atccataact tgtggaagat 240  
ccacagggac cctagtgttt ggtcagaccc 270

<210> 48082  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037295H1

<400> 48082

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acccgacaat cccaccaagt cctgcaaggc cagaggcgct gaccttagag tgcatttcaa 120  
gaacactagg gagactgcct ttgccatcag gaagttgccc ctgggttaaag ctacaagata 180  
cctggaggat gttttggccc acaaacaggc catccctttc cgacgcttct gtggtggtgt 240  
tgggaggaca gcccaggcta agagcagac 269

<210> 48083  
<211> 278  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037296H1

<400> 48083

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tgtcgatctt cgagtacaac ggaagcgccg tcgtggctat ggtcggcaag aactgcttcg 120  
ccattgccag cgaccgaaga ctgcggttca gtcctaaacc atagccacgg atttccaacg 180  
catttccaag attcagcaca agctcttcat cgctctctct ggctctgcca ccgatgctca 240  
aacattgtat cagcgtcttg ttttccggca caaactgt 278

<210> 48084  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037301H1

<400> 48084

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tggtgaagtc tataaaacttt ctccagcttc tgtctctact agcctttgtt cctcctgtc 120  
actgctaaaa gaaaataggc ggctacctct aacctcaatt gtacgacggg tcatgcacca 180  
gcagtcaaga gcttgtccaa tccatcgatg ccaaggctgt ggactagag acccgcatgg 240  
ctgcttcggt gctcagacta catttccatg 270

<210> 48085

<211> 292

<212> DNA

<213> Glycine max

<223> Clone ID: 701037302H1

<400> 48085

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tggtttgat tgatttcatt acattgctac actatattct ttttattggt gaattgctat 120  
ttgctacact atattttaag gacaattata catagactat atgggggtga tggctgcgaa 180  
ccaaactcaa ttgttgctta agatggccat cggagatgga catggtgaag catccccata 240  
ttttgatgga tggcaggctt atgatgaaaa cccctttcat ccaaagagaa tc 292

<210> 48086

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701037304H1

<400> 48086

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cgctcacgat tttcagcttc ctctggatgc acggcatccc tcaaaacctc tacgccaagc 180  
tccgccaccg tccccgaac ccacggggcg tgcaagccaa gcgccatttc gtcaaaggcg 240  
cgcagtcctc gcccaagcca gaagatccaa aa 272

<210> 48087  
 <211> 168  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037305H1

<400> 48087

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 taggcgggtg tgttgcagat ctagggtttt ctgtggattt cttttcttaa aaattagttt 120  
 gtagatgtaa tgatctgaac agttgttaat ggaagggttc gtttgaat 168

<210> 48088  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037306H1

<400> 48088

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 tcctctgtgg aaggtgttga ggccaagtta tggcaggtac ctgagacact gctggatgag 120  
 gtgcttggtta agatgagtgc accaccaag agtgacgtac cagtcattac cccaatgaa 180  
 ctatccgagg ctgatggctt tgtattcggc ttccaacaa ggtttggcat gatggctgct 240  
 cagtttaaag cctttctaga tgctactgga ggctttggag 280

<210> 48089  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037307H1

<400> 48089

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 gatgacaagt gctaactaag cactttcttc ttctttcttc tcatcccttc atcgccaaac 120  
 acaatgaagg aattgggctg gggtgcacat cctcttttca atagagttct tggacgttat 180  
 cgtctacact gtaagcaaag cagccatgaa gaaggcatg aatgactttg tctttgtcat 240

gtactccaat gccttcgcaa cttgcctcct ccttccataa cct 283

<210> 48090  
<211> 281  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037308H1

<400> 48090

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gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180  
acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240  
tacatcactg tcttaaccgt tatgggagtc gccgggctaa g 281

<210> 48091  
<211> 281  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037309H1

<400> 48091

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agccgcggta attccagctc caatagcgta tatttaagtt gttgcagtta aaaagctcgt 180  
agttggacct tgggttgggt cgatcggtcc gcctccggtg tgcaccggtc ggctcgtcac 240  
ttctgccggc gatgcgctcc tgtccttaac tgccgggtcg t 281

<210> 48092  
<211> 281  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037310H1

<400> 48092

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 tcgaagaaac cgagtcgga ctggcctcc ctggcaacga ctgagcactc aaggggaagtg 180  
 ctgccaagag aggcttctct gaaactgctt ctgttgattt gaagcttaat ctttcttctt 240  
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<210> 48093  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037311H1

<400> 48093

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 accttctccg cgcttccgat gacgccgatg atgatgcgat cttctatgat tcgttcgacg 180  
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<210> 48094  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037312H1

<400> 48094

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 gtctaggctt gcccctactc actcaagaaa ctattccaca actggtagtt acttcaatgg 180  
 aggcttgcag tcttcggggt tggttccagt catggcacat gcaccggctg agaaaggagt 240  
 gtctggactt ctgttcgatt tcatgatggg 270

<210> 48095  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037313H1

<400> 48095

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 agggctttca tcatcacttc ggcgcttttc acaatcttct ttgggatcca aggccgtttc 180  
 agcactctgg ggttgccta tcaggatatt tttggaaagc ttcgcctttg gacattgatc 240  
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<210> 48096

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701037314H1

<400> 48096

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 ggatgcttgg tgtttctggt gtgcctgctg ttgttcagtc tgttctcatg ctcttctctc 180  
 ctgaatcgcc aagatggctt tttgtcaatc ctaggataaa tgaagccgtt gatgtgcttt 240  
 ctaagatctt tgacgttgct cgcttaga 268

<210> 48097

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701037315H1

<400> 48097

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 gacgatccca gccccaaagc ttcttcatag tcttcatcat cgcattgggtg aaagtgttat 120  
 gagtcgatga ttgttgggtt attgtcgctg tcaatacacc agatgactag gtgaattgct 180  
 ttaaggcacc atgtgctgaa ggatgtcggg acacaacgct ctgataggat gttacattgg 240  
 ggtatagggt cttatagacg gccttggttg 270



<210> 48098  
 <211> 286  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037318H1  
  
 <400> 48098  
  
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 accgatctat ccggcggctc catctccgcc gagaaagtc aagacaacta caagcagtac 180  
 tggtccttct tccgccgccc caaggagatc gagaccgccg acaaagttcc cgacttcgctc 240  
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<210> 48099  
 <211> 286  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037319H1  
  
 <400> 48099  
  
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 tcggcaaacg gacggcgggc gcacgcgtcg cttctagccc ggattctgac ttagaggcgt 180  
 tcagtcataa tccaacgcac ggtagcttcg cgccactggc ctttcaacca agcgcgatga 240  
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<210> 48100  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037290H1  
  
 <400> 48100  
  
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ttggtcagaa ctcttataga tctggatgca atggatggta aacaaagtgt ttctttattg 180  
gcagagtgtt ctagttcccc tgatgtcagc actagacgag ctttagcaaa tgcattggca 240  
gcagcaccat ccatgtggac tcttgg 266

<210> 48101  
<211> 268  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701037266H1  
<400> 48101

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aattggagac tcaagtcaag gtgcttgctg ccctccgta ttgctcaatt tacaacattg 120  
ctttcaggag gaataaaaaa aatacaacaa accaactgta cttcaataat gaatcaacag 180  
acaagatttg acccaaattcc atcctatgaa aatatcttgt aactgaagaa ccattatgcc 240  
taatcccgta tcttctggac tccaaccc 268

<210> 48102  
<211> 269  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701037267H1  
<400> 48102

aagaaattaa cttgctttca tagttttcac atatttgaag tgacatcatg aatatggagg 60  
ggcagaagaa aaacaagagg gtggctgttt tgggtgggtg caattacccc aacactagca 120  
atgaattgca tggttgcaaa acgatgtgtt ggcaatgaag gacacgctgg agaagcgctt 180  
tgggtttgat ccctctaaca ttgagcttct cactgatgca cctcactctt ctaataaatt 240  
gcccactggt gctaataatta aggaggcac 269

<210> 48103  
<211> 271  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701037268H1

<400> 48103

cgatttttcca ttcttttttc tgcaactatg cctaacccta aggtcttctt cgacatgacc 60  
 atcggcggtc aacctgccgg ccgcacgtg atggagctct atgccgacgt gactcccagc 120  
 accgccgaga acttccgcgc gctctgcacc ggcgagaagg gcgccgggcg gagcggcaag 180  
 cccctccact acaaaggctc gtccttccac cgcgtgatcc cgaacttcat gtgccagggc 240  
 ggcgacttca ccgccggaaa cggcaccgga g 271

<210> 48104

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701037269H1

<400> 48104

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 gtgttgccgg agccaacctt gcaaaaaacta tacaacatca agccaacgtc acccttattg 120  
 atccgaaaga atattttgag ttccatgggc aagtttgagg ggattggttg agccaacttt 180  
 tgctgaaagg atagtgatca accatagaga gtacttcaaa aagggtgacc ttgttgatc 240  
 cagtgtgtc aacataactg aaaccgcagt ggt 273

<210> 48105

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701037270H1

<400> 48105

ccattttcca aatcgccaaa ataacgattt ccccaaacc ctgagctttt gggactgtgt 60  
 aaagattgca gcttgtttct gctattgatt caaattcgaa actttgattt ggagcactca 120  
 tccagcacta caaggatctt aaagtcactt tgcagaactt caaatatgat tttagaatgt 180  
 catacaacgt gaaaacaaat tcctctatat gttttactaa agtaggttct ttgtgttgaa 240  
 tgtacaagta taaccatttc tgggttttgt gtag 274

<210> 48106

<211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037271H1

<400> 48106

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 catcgccgtc gtcgatgtaa gggacgatga gaggagctac gacggacaca tatcggggtc 120  
 tcttcattac gcaagcgaaa tttctccgat aacatctcaa atctcattca ggcagttaaa 180  
 ggcaaagaca ctctcgtctt ccaactgcgt ctaagtcagg ttcgtggcca caattgtgct 240  
 aggaggcttg tcaattatct tgaggaga 268

<210> 48107  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037272H1

<400> 48107

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 actggcagtg caacctgaaa ttgagcatcc caggaaggcc tatggatggg cagctaggga 120  
 tacatctggt gttctctccc tttttggttc tctagaagga aaacagggga gaaagacgtg 180  
 acatttaaag tgttgtattg tggagtatgc cactcggacc ttcacaagtt gaaaaatgaa 240  
 tggagtgatt ccatctatcc ccttgtcc 268

<210> 48108  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037273H1

<400> 48108

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 cttggagggt caatgattcg agtgaggaca acaacaaca cactactttg ttggtgttgg 120  
 acaagttgtg caaagagtgt ggcaaagggt ttcactcttg gaaagctctg tttggtcaca 180

00220.ET.56

tgaagtgcc a ctctgagaaa ttgtcccaaa acaacaacag cagcagcagc ttattattgg 240  
aggatcaaga ttcgtggaat gataat 266

<210> 48109  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037274H1

<400> 48109

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ctgtaacca agctttctca gggcatggag tggatgagaa atcattggta acattactgg 120  
gaaaatggga tcctctggag agagaatctt tcaggaagaa gacaccacat ttgttcagtg 180  
aagatcatga acgccatttt cagaggtggg atgatcaata tgtccgtctt ctcaagcatg 240  
aattcgtgcg ttttaagaat gctgtggtgc t 271

<210> 48110  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037275H1

<400> 48110

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aattaatcaa atcccacact ttctctctct ttccttcaaa tctcaattct attttgcaaa 120  
atctgaatca aacacagtaa agacgcacaa gaaaacatct cgctcaacac caccaacact 180  
tcggatctac gtttccactc tccgaacatc aaaaaaggaa agaaaaaccg atttacagcg 240  
acaacaacga acgaacgatt tctcgaagc 269

<210> 48111  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037276H1

<400> 48111

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 tacattttga gttgcatcac caagcattct cctcaataca aagtcctgat gttggggccgc 120  
 attttgggag gtattgccat tcaattctgt tttcagcatt tgaatcatgg cttgttgccg 180  
 agcacttcaa gaggggcttt gatcaacaat ggctgtcatt aacattctct aaggctatat 240  
 ttcttggaat tggctctgtt gctattttg 269

<210> 48112  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037277H1

<400> 48112

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 accatgacca tggccatggc cagcatcctg ctctgttca cggctcttcgc ggtttcatcg 120  
 gccctagaca tgtcgataat ctcgtaacgac aacgcccacg ccgccacgtc gcgcaggaga 180  
 gcgagctgat gtccatgtac gagcagtggc tagtaaagca cggcaaggtg tacaacgcgc 240  
 tcggagagaa ggagaagagg ttccagatc 269

<210> 48113  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037278H1

<400> 48113

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 ctcgccactc atattgatac ctctgagatc gtcgccgtca agattgaaaa cggtaaaacg 120  
 aagcatccgc aattgcttta tgaggccaag ctctacaata ttcttcaagg aggaagtgga 180  
 atcccagaca taaaatggtg tgggtgtagac ggggaggata atgtgcttgt tatggacttg 240  
 ctgggaccta gtcttgagga tctttttgtc ta 272

<210> 48114  
 <211> 273  
 <212> DNA

<213> Glycine max  
 <223> Clone ID: 701037279H1  
 <400> 48114

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 tctctacaac aggcaagtca ctgagcttaa actactatgc aaaaacatgc cctaattgttg 120  
 agttcattgt tgccaaggca gtaaaggatg ccactgctag ggacaaaact gttccagcag 180  
 caattctgcg aatgcacttc catgattgtt tcgttcgggg gtgtgatgcc tctgtgctgc 240  
 taaattcaca aggaaacaac aaagcagaaa aag 273

<210> 48115  
 <211> 275  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701037280H1  
 <400> 48115

attaaaaacc acattcacat tattcctccg aagatgacag tgacgagtgg agaagaagaa 60  
 ggcgccgttg gaggagtcca gatccaacac aggagcagaa tgggtgctccc agattttctc 120  
 cagagcgtga atctcaagta cgtgaattag gttacactac ttgatctcca acctcgtaac 180  
 cttattcctt gtccctctta tctcgtcac gtcattcag gtttttcaga ccaccgacat 240  
 cgaccacctc cgccacctct ggctccacct ccagt 275

<210> 48116  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701037281H1  
 <400> 48116

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 caagcttcta ggatttgtgc cagctacatg aaaatgggaa gcaacttcag gtttttgagt 120  
 ctttgctctt tggcattgat tgcacaaacc catgctcaac ttcagcttgg ttttcatgcc 180  
 aagagttgcc caaacgctga gcaaactcgtt ttgaaatttg tccatgacca tatccacaat 240

gctccatcac tagcagctgc attgataaga

270

<210> 48117  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037282H1

<400> 48117

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ttctccactc tttcatttcc ttacaaaaac taagatacgc accttcgatt tcgcatgctc 120  
ttttttttgt tctttcttct ttttaattcaa ttggttgac ataaattcca ttttcattct 180  
tctccgattg cttttcatta cattaccata ttctctgtgt tccgctccgc gtgcgtgtgc 240  
gtctaggggt tccttaacaa ttaac 265

<210> 48118  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037283H1

<400> 48118

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aagaaagtta gcgatgtagc attcaaggtg ggaaggaaca tcgattggga tggaatggcg 120  
aacttctggt ctccgtgagg ctccgaggga gttctccaat ctccgtcgcg ctttcgacga 180  
ggttaactcc caactccaaa ccaagtttag ccaggaacct gagcccattg attgggatta 240  
ctatagaaag ggaattggca ctcgtt 266

<210> 48119  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037285H1

<400> 48119

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cattccgcag aaaccttcaa cgatggccgc tgaaacgatt ccctaccaga acggcgctcgt 120  
 tgccagctcc aacgattcac cgccacgggc aagaaatcgc gggagaacga ccgccgccgc 180  
 cgccgccgga agcagaagaa gaacaacaag gcattctgagg ccccggttcc taactcttcc 240  
 gaagagagtg acgatgcaaa 260

<210> 48120  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037286H1

<400> 48120

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 cggcgaatcg ctgctcgaca agatcgccga gaagattcac ggccacgacg actcttcttc 180  
 ttctccgat tccgattcgg ataaaaagga atcttcgctg attaaggaga cggttttccg 240  
 cctctttgga agggagaagc cagttcactc 270

<210> 48121  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037287H1

<400> 48121

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 gatctattca gtttttctct cctctctttt ccgatccacc gttggagatc gaagatgggtg 120  
 tccgacgcca gcacgaagaa ggccgcacag aagacggccg ccgccgccgc caagagaggt 180  
 ggcaaagctg ccgccgctgc cgttatggcc gccacctctt ccaaagccgc cgacaagggtc 240  
 gccaacggaa tcgccgatat tcaga 265

<210> 48122  
 <211> 117  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037288H1

<400> 48122

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atggtccatg ttgagtttga cacctgattc cagtatactg gaatgatgtt acttgag 117

<210> 48123

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701037289H1

<400> 48123

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ggaaacaggt gcaactctct gagtcggaga tccgtcaact ctgcgtcaac gccagacaaa 120

tcttctctc tcagccattc ttctcgacct ccgtgctccc atccgcatct gcggtgatat 180

acatggtcag taccaggact tgctgaggct ttttgaatat ggtggctacc ctctgcggc 240

aaactacttg tttctggggg attatgt 267

<210> 48124

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037265H1

<400> 48124

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cttctctctc cgcattggggc agcgtaatct cgtcgtgggt ttttccccgg agctcgccaa 120

ggaggttctc cacacgcagg gcgtggagtt cggtccccgc actcgcaacg tcgtcttcga 180

catcttcacc ggcaagggcc aggacatggt cttcaccgtc tacggcgagc actggcgcaa 240

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<210> 48125

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701037239H1

<400> 48125

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taacaatggg tgtagaagat acccaaaagt cagtcatcac ggaggaccaa taccctagca 120  
gggtcgtcag cgacaacaac aacgacgacg acgacgatga tctcgaagac ggtgagatcc 180  
ccgtcgacgg cgaagatagc ggcgccaccg ccacaacgaa gcctccggcc gccctcgccc 240  
gaacacccca ccctctggag aattcctgga ctttctgg 278

<210> 48126

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701037241H1

<400> 48126

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accctccca gatagtcgac gtcttcgtcc gcgttaccgg cggcgaagtc ggcgcggcga 120  
gttccttggc cccgaagatc ggtccctcgg tctctcccc aagaagatcg gagaagacat 180  
cgccaaagaa accgccaagg actggaaggg cctccgcgtc accgtcaagc tcaccgttca 240  
gaatcgtcag gcgaaggtca cggtggtccc ctccg 275

<210> 48127

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701037242H1

<400> 48127

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tgtgaccaca acccttcttc ctctttcttt tgaaacctct ttttttctat tccccaacca 120  
aacaagcaaa cgctactcac tcatcatcac tgagatcatg gctcctaata tcaccactgt 180  
caaaaccacc atcaccgacg ctcaagccaa ggtcgccacc gatcatggtc gtgcctacgt 240  
caccttcttc gccggaaacg gtgactatgt gaaaggt 277

<210> 48128  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037244H1

<400> 48128

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 tgttttattat tctacgtatg gacatgttga gaagctagct agagagatag aaaaaggggc 120  
 tgctttctgtg gagggagtag aagcaaactg tggcaggtac ctgacacatt gcctgaagaa 180  
 gtccttgcta agttgggagc acctccaaag agtgatgttc caattattac tcccaatgag 240  
 cttcctgagg ctgatggctt tttgtttggt tttcc 275

<210> 48129  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037245H1

<400> 48129

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 atacatggct cctataatca ttgtcaggtc agctgctgtt atttttgttg gaattaacaa 120  
 ttgccaaact gttcaaccaa ttgtagccgt tgaaagaaca gtgttctatc gagaaagagc 180  
 tgccggaatg tatgtcctt tgccttatgc cttagcacag gtcttttgtg aagtaccata 240  
 tgtgtttttc caaactgttt attactcact catagtg 277

<210> 48130  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037246H1

<400> 48130

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 cgacgccgtt tcgcaagcat cagtagtgta gtcgcagaga atcaaataca tggagaaggg 120

aaagggagtg atgggatcgc gaggacgaga tggggcggtg acttctccga caattgcact 180  
 tctcgcgata ttcccgatcc tcccggtttc tctcgcactt ctctcgatca ggacgattca 240  
 acgctcagtc gccagaagaa ggacgctgaa tccaact 277

<210> 48131  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037247H1

<400> 48131

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 atgggttggtg actgaaaaac ttggtgactc tgtcaacaat aataataaga ataatcagg 120  
 agatgctgcc aagaagaata atgccatcaa ggccaccccc aaaaagactc gatccaaatt 180  
 tgttgaaaga cttattttac tggagctggg atttgctgtc ttcctcttcg tatgtggatg 240  
 ctatgattat gttcatggga aacacaacta cttcatcta 279

<210> 48132  
 <211> 286  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037248H1

<400> 48132

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 ttggtagctc caacatgctt gtacctggca tcaaaagcag aagaaagcac agtgcaggct 120  
 cggcttcttg tattttacat taaaaaatta tacagtgatg acaagtatag atatgaaatc 180  
 aaggacatac ttgaaatgga aatgaagatt ttagaagctc ttaattatta cctgggttgta 240  
 taccatccat accgttcact atctccgttg cttcaggatg caggtc 286

<210> 48133  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037249H1

<400> 48133  
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 cagtaacgtc ctcgacaagc ccctcaccaa gggcaagcaa gaggttagtt tgagcgcatt 120  
 cgcgttcttg ttctcggagc ttgttcagta caaccaaacg caggtcgaca atattggcga 180  
 gcttgaacga agactggagg atgctggata tgcggttggg gctcgagttc ttgagctgct 240  
 ttgccacaga gataagggaa acagaaggga gac 273

<210> 48134  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037250H1

<400> 48134  
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 ctcaacttat cgcttcttcc tgttttagat ttgggggttt ccgtttcaat ggacgacggc 120  
 gagctggatt tctcgaacca tgaagtgttt tcgagtccga acatggggga gcttccgagc 180  
 agcgggttcaa tggacagttt cttcgacgag cttctcaagg acacgcacgc gtgcaccac 240  
 acccacacgt gcaaccctcc cggccccgat ttct 274

<210> 48135  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037252H1

<400> 48135  
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 taattgatta tggtaaaagg aaagggaaag aggatgtgct ttctctctct ttgaattggc 120  
 attggaattc aactcttctc tttctctgtc gaagaacaag tagtttcaga cagatgctag 180  
 agaatcttca ggctcctccg tcaacaacgg aatcggcccc agtggtgaag cgctatgctc 240  
 cacccaacca gaggaaccgt tctgctaaca ggccg 275

<210> 48136

<211> 276  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037253H1

<400> 48136

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tgcagggatc agtgggtgccc cccaggataa caacataatg ctgtggaatg ctgtcatatt 120  
tggtcctgat gatactccat gggatggagg cacgttcaag ttgacactcc aatttactga 180  
ggactatcca aataaaccac cgactgtacg atttgtgtct cgcatgtttc atccaaatat 240  
ttatgctgat ggaagtattt gtttggatat attaca 276

<210> 48137  
<211> 275  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037254H1

<400> 48137

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ttgaattgga agacatcaca gaagaacgaa tcaataacac gaatacctca agtgagaggg 120  
agaaatggaa tcgcctccgc agtggggttca agaggggcag aaacacttaa acatatagct 180  
cctggatcat caatttctgt tgcatatcac ccatcttttg gaccttatga tgacctcttc 240  
tttctagagc ttgatgagaa acttctccca gatgt 275

<210> 48138  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037255H1

<400> 48138

cagagaatta gtccatagca atggcagagc aagacaaggt gacacctacac gggatgtggg 60  
ccagccctta tgccaagagg gtggaattcg cccttaattt taagggcata ccctatgagt 120  
atgttgaaga agacttgaga aataagagtg atttgcttct aaagtacaac cctgttcaca 180

agaaggttcc tgtacttggt cataatggaa aggccattgc tgaatccatg gtgatccttg 240  
 agtatattga tgaaacatgg aaagatggtc ctaa 274

<210> 48139  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037256H1

<400> 48139

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 gaacattccc gagtgggaagc aagcatgttt aggggtgtttg aatgcggtgt tgtttggtgc 120  
 aattcagcct gtgtatgcat ttgcaatggg gtcaatgata tctgtttact tcttcccaga 180  
 ccataatgcc cccaagagga aaactatgat ctattcactt tgtttcctag ggttggctgc 240  
 gttctcctta gtggttatat cc 262

<210> 48140  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037258H1

<400> 48140

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 aaggtcgatt tcagcgctcc ccattccatg ggaaccacta tcacggcgt tacttacaac 120  
 ggcggtgtcg ttctcggagc cgactctega accagcacgc gagtgtatgt tgccaaccga 180  
 gcatcgga aaatcactca gctcactgat aatgtatacg tgtgtcgcgc tggatcggct 240  
 gctgattctc agattgtctc tgattatgtg cg 272

<210> 48141  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037259H1

<400> 48141



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catttgaact ttgcgcaacc tcattattat taaattaaat tcattgatcc ctgcgctaga 120  
gaggggaaat ccagaaatac tctgattgac ttatatacgg atcttattat tattttctcc 180  
atttaattta aacgcaattt agttgtctgt agcgccgatg agttgctttt cgtgctttgt 240  
ttctcgccgg aaagatgtga gaagggttg 269

<210> 48142  
<211> 289  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037260H1

<400> 48142  
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ccctgtaagt atcatatcat ggcaaaactta acttgacaac atattcctac gatcagtttc 120  
caaatggaag cgttttacac aactctctgc tcccctggtc cacgtctgtt ctcaattttc 180  
agggtcttga attgcctaga agaaatcttt gtaagaactc ttcacacact atttttgcat 240  
cacctacgct gcctaaaccg tttcttcaga tttgtggtag acctcagac 289

<210> 48143  
<211> 276  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037261H1

<400> 48143  
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gaaaacaaac aaaacaatgg cgttcgcttc tttcctcggc agagtcctct tcgcttctgt 120  
cttcatactc tctgcttacc aacaatttaa tgaatatgga gttgatgggg gacctgctac 180  
aaaagcactc agacctaatg ttgatgcctt tacacatcgg gtgcattctc aagtgggctt 240  
tcaaattcca gagattaatc tgaaattttt aattgc 276

<210> 48144  
<211> 276  
<212> DNA

<213> Glycine max

<223> Clone ID: 701037262H1

<400> 48144

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 aaagcaaagc tcgaagacct gagaagaaca aaggggtgat taaattctgt gtgggtgttg 120  
 ttggagggtg aaacacaagt tgccacccca agtgtgtgtt aatcttaaat ttcacaagca 180  
 agttgctttt ttggagtatc atattgtatc accaaatatt tttgtgtttt aggactagat 240  
 attttgcttc tgggtggcaat ttttctcttc tccttc 276

<210> 48145

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037263H1

<400> 48145

ggaaaagggtt cacatcagta ttgtgggtcat tggccatgtc gactctggga aatccactac 60  
 cactgggtcac ctgatttaca agcttggagg cattgacaag cgtgttattg agagggttga 120  
 gaaggaagct gctgagatga acaagagtct ttcaagtatg cctgggtgct ggacaaaactt 180  
 aaggctgagc gtgaaagagg aatcaccatt gatattgctt tgtggaagtt tgaaacaaca 240  
 aagtattatt gcacagttat tgatgcgcct ggacatagg 279

<210> 48146

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701037264H1

<400> 48146

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 tggcagcctt gaagctcatt ggaggtactc tggctgacca cacattcttg tttcttggtg 120  
 ctggagaggc aggaactgga atagcagact aatagctctt gagatgtcaa agcagacaaa 180  
 gacacctata gaggagactc gcaagaagat atggcttgta gactcaaagg gtttgattgt 240

tggttcaaga aaggcttcac ttcaacactt caagcagcct tggg

284

<210> 48147  
<211> 278  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037238H1

<400> 48147

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ttccgctagc aaaacgactg cggtttggtc gtcgtcttcc ccgaggcatg ctcttgggat 120  
attattattc atcatcgtaa tcacacctac agagacgttg actttgtgtt ttttctggga 180  
ggggaacaaa tggaccaagc tcttctggac gacataatca atcgcccttct cgaagttcgc 240  
agccggccgg ggaagcaggt gcagctgtcg gagtcgga 278

<210> 48148  
<211> 282  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037213H1

<400> 48148

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gatgccttga gcatgctgag aaacacggtg cgttgagagaa aggaattcgg aatcgagggg 120  
cttgtcgagg aagatcttgg aagtgattgg gacaaggtgg tgttcagtca tggacacgac 180  
aaagaagggc acccggtgta ctacaacgtg ttcggtgagt ttgaggacaa ggagttgtac 240  
aacaagacat tttgggacga ggagaagagg aacaagttga ta 282

<210> 48149  
<211> 286  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037215H1

<400> 48149

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ttctcttctt tctttcttcc aacctcttct cttctatacc cttcagaaaa gaaattaaaa 120  
 aacgtagctt cagattattc tagctcttca ttttccatgt tcaatattat gctgttaaatt 180  
 tcctcaaaact cactgtttca gccacatttt ggtctaaaga tccgtgcttt gacccttggc 240  
 aggttcagct tttgaagggg ttggagtttt tcttctcat aagcca 286

<210> 48150  
 <211> 290  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037216H1

<400> 48150

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 gaagtccttc acaatcagaa gagcaagacc cttggagctt ctcaaggttc tttctttccc 180  
 accaaccacc aacaccaaca aaccaaagga caagctccct tttccctcca ccacagcatt 240  
 cttgccca aacttcacca tcttggcaca ccatgcttgg cacaccctca 290

<210> 48151  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037217H1

<400> 48151

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 ggcttctctg aggggcagag cagcaacaga caccgtctcg accagattct agtagccaac 120  
 cgcggtgaaa tcgcttgca gcatcatgcag accgcgcgga ggctcggcat tcaaaccgtc 180  
 gccgtttaca gcgacgccga caaggactcg ctccacgttg cgtcgccga caaggccatc 240  
 cgaatcggac cgccaccggg ccggctcagt 270

<210> 48152  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037218H1

<400> 48152

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gtattggctt ctcaaatacca tgtttcctct gggaaactag tccctggact atcatggaat 120  
tactatttgt tgacatgtcc caagcttgag aggattataa ggaagcatct tgaggatgtc 180  
ttcgagaagg acagtggagt agctcctggc atacttcgac tcttcttcca tgactgcttt 240  
cctaattggat gcgatgcgtc tatattgttg aatggaga 278

<210> 48153

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701037220H1

<400> 48153

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cgatcatgtc tcacttcaag ggcaagtacc atgatgagct tattgtcaat gctgcttaca 120  
ttggcactcc tggaaagggg attcttgctg ctgatgagtc aacagggaca attggcaagc 180  
gtttggccag catcagtgtg gagaatgttg aatccaacag gcgtgctctt agggagctgc 240  
ttttcaccgc tcccgggtgct cttaaataac tcagtgggtg 280

<210> 48154

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037221H1

<400> 48154

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ctcatggcta cctgcttgag caatttatga aagataaagt gaatgaccga acagacgaat 120  
atggtggatc cttgagaacc gctgccgttt gctttggaag ttgttgaagc tgttgtaaat 180  
gagatagggg cggacagagt tggaattagg ctatcgccat tcgcagaata ttcagagtct 240  
ggagactcta atccaaaaga attggggctt tacatgatg 279

<210> 48155  
 <211> 282  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037222H1

<400> 48155

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 gtggtattgg aggcctttac gtcaaagtat gaccgacgac caaatggaac tgctcaggca 180  
 acagatttct gtctacgcca ccatctgtga acagctcgtt gagatgcaca aggccgtaac 240  
 tacccaacag gacctcgag ggctgaggct gggtaatttg ta 282

<210> 48156  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037223H1

<400> 48156

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 gaccttgctt tgcttggtgg tgctcacaca attggtattg cccattgttc atcaatttca 120  
 acccgtctat acaatttcac aggcaagggtg acacagaccc aacaatagac aatggatatg 180  
 caaaaaatct caagaccttc aagtgtgaaga acattaatga taactcactt attgagatgg 240  
 accctggaag tcgtgatata tttgatcttg gatattacaa 280

<210> 48157  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037225H1

<400> 48157

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 tagtgatctg cgtgggggctt ttgggcttcg ctctcgtcgc cgactttcta tgggcctcta 120

cctcttccac tcttcccacc tccaccaacc ctccgcattt gtggttcctt ccaaccacaa 180  
 taagaagaaa tatgagaatg ccaactgcttc tggaagattc cttgccgcgg cttacgccga 240  
 tttggctgcg ccgcagctca agtggcaaaa gatggc 276

<210> 48158  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037226H1

<400> 48158

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 aatcaaaagc ctacttcaag aggtatcaag tcaagttcaa gagaagaaga gagggaaaaa 120  
 ccgattaccg tgccaggatt cggttgataa tcaggacaag aacaaatata acacccccgaa 180  
 atatcgcttt gttgttcggt tcagcaacaa agacattggt gcacaaataa tatctgctag 240  
 cattgctggc gatattgttc ttgctgcagc atatgcaca 279

<210> 48159  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037227H1

<400> 48159

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 catacagctg aggtgcaagc tgtcactgtc catgcaacca ataattactt tgtgactgct 120  
 tcacttgacg gctcttggtg cttttatgaa ctttcttcag ggacatgtct gactcaggtt 180  
 tatgacactt caggttcttc tgaagggtac acttctgcag cttttcatcc tgatggtctt 240  
 attcttgga cccgcaccac agaattctct gtcaagat 278

<210> 48160  
 <211> 281  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037228H1

<400> 48160  
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 tgtctcccaa cgategccgc cagacaccaa caacaacaac aaaaccctaa caaacaagct 180  
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 gcccctgtcc tctccctcga agacagccct cctctgacgg a 281

<210> 48161  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037229H1

<400> 48161  
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 attcaatcat tggctgcgaa tctcggcgta accactggca aacacctttc agaattatgt 120  
 aaagctgaat acccattatt ggtcaagtac tgcttatggt tattagctga gctggctgtc 180  
 atagctgcag acatacctga agtgattggc acggcatttg ctttgaacat actcttccac 240  
 atccctgtat gggcaggagt tctaataact ggctgcagc 279

<210> 48162  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037230H1

<400> 48162  
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 aaaagccaag aactgttca tacagctgct caattatcaa gccaaccttg ctcggttcca 120  
 ctgcagaatt tcagtttatt cttatctagt agattggatt gaagtagact cttataagt 180  
 gcgcagaagt tcaagtgtag agaatgagtc agcctaagat taaacgccga gttggtaaatt 240  
 acgaggtggg gaggaccatt ggtgaaggta catttgcaaa 280

<210> 48163



<211> 284  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037231H1

<400> 48163

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 gcgctcctcc tctcctcct ccggcagccg gggcggctcct cctcctcacc caggggagga 180  
 ggttcgacct atattcataa ctggtcttcc ggaagacgtg aaagagagag agctgcagaa 240  
 tcctgctgag atggttgccc ggtttcgaag catctcaatt gaat 284

<210> 48164  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037232H1

<400> 48164

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 ttggcaattg aaaccttttt ttccattgag tgatagagag catcgagaac atgcagatga 120  
 acaacgatga caggtttgca caaagggtgt ccagttctag ccaggtttga agtccagcag 180  
 agtcagagaa aattttgatt ggtccctggc aagccaagat aagatctgtt tcgcgaaata 240  
 gccggcaatt tcccgatccc gttgggggac tcggcc 276

<210> 48165  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037233H1

<400> 48165

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 aggaagatgg gtaaggaaaa gggtcacatc agtattgtgg tcattggcca tgtcgactct 120  
 gggaaatcca ctaccactgg tcaactgattt acaagcttgg aggcattgac aagcgtgtta 180

ttgagaggtt tgagaaggaa gctgctgaga tgaacaagag gtctttcaag tatgcctggg 240  
 tgctggacaa acttaaggct gagcgtgaaa ga 272

<210> 48166  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037234H1

<400> 48166

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 gatgagaata tcatcatgtt ccaccatttc cccacattga tacaacaagg agattccaac 120  
 aattgaaaac tccttatcat ctttctcttg caacatcggt tcgcggttcc tttgccgtga 180  
 tttcaattgt tgcataagaa aacatcactc actacttctt tcctctcctt tttcattcaa 240  
 tttctctgat tgacacaatt gctcgccaga tcagtga 277

<210> 48167  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037235H1

<400> 48167

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 tactttcaag ttcctttgtc aataagcaag agcaatacac tgtggaagga gtgcagaatc 120  
 ttggagacaa agcagtgatg tgtctgggct aaatttcaga actgcagtat tttactgcc 180  
 taaagtccgt gaaacaacag ctttcatggt tccattgggt gctggtgatg gaacaaaaac 240  
 tcaggcactt gctgtttgcc actcagatac ttctgg 276

<210> 48168  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037236H1

<400> 48168

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 tctgatgcag ttctgttta tgaagttgct ggggaagcac caggccttgg ttctttatcg 120  
 caatatactt ggaagtttgc tacaccccat caaagtaatt gtgtagaga agataaacac 180  
 gactttttct tcctcaca tccattcacg aaaatgagtg agtagatttt tcagtgtatt 240  
 gttgataatt ggtgaaagga ctctgtctac tctgt 275

<210> 48169  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037237H1

<400> 48169  
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 ctaaagaagg gattctttgt tgaaccaact gtcataactg atgtaactac ctccatgcaa 120  
 atttggagag aagaagtatt tggacagttc tctgtgtaaa aacatttagc actgaggaag 180  
 aagctattga tctagcaa at gacactgtat atggcttggg ttctgtctga atatcaaag 240  
 atctagaaag atgtgagcgc attactaagg cttttaa 277

<210> 48170  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037211H1

<400> 48170  
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 cagcagcagc agggcagccg aagaagagaa cgttcaagaa gttcagtttc aggggcgtgg 120  
 atctcgatgc gcttctggac atgtccacga tgaactcgtg aagatgttca gtgctcgcgc 180  
 acgtagaagg ttccagagag gcctcaccag aaagcccatg gcctcgatca agaagcttcg 240  
 caaagcgaag agagaagctc caccaggtga gaagccag 278

<210> 48171  
 <211> 271  
 <212> DNA

<213> Glycine max

<223> Clone ID: 701037180H1

<400> 48171

tcaatttcta attaggggtt cgcttagagt aaccaataac catgggagtc ttcacctttg 60  
tcgtccgcaa atccggcagc gaatggagcg ccaagcaaca ttccggcgac atcgaggcct 120  
ccgccgattc caccttcgat ctccaacgga agctcgtgca agccgctctc gccgttgatt 180  
cctccggtgg agttcagtc tctttctctc ccgtgtctcc tacctccgct gtgttccagg 240  
cgatagtggg tgggtgcagta ttcgttggag g 271

<210> 48172

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037181H1

<400> 48172

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tgagcactgt ggagaagatc ctaagcaatt tgagctcaaa agtttctgtc atcaacatta 120  
ctcaactatc agagtataga aaggatggtc atccttccat ttttcgcaaa ttttgggagc 180  
cccttcgccc ggaacaattg tcaaatcctc catcttactc tgattgcata cattggtgct 240  
tgcctggggg acctgatgtg tggaatgagt t 271

<210> 48173

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037182H1

<400> 48173

ggttctactg tttgagcttg atgctattcg aaaggcatgt gcatccctgg aaccaatta 60  
tcagcctcct gtgacttttg tggtggttca aaagcgtcac cacacaaggc tctttgctag 120  
caaccatcat gataagagtt ctgttgacaa gagtggcaac atattgcctg gcactgttgt 180  
tgactccaaa atctgccatc ccaccgaatt tgacttttat ctctgcagcc atgctggaat 240

acagggtaca agccgtcctg ctactacca t

271

<210> 48174  
<211> 265  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 701037183H1

<400> 48174

gtggtttcag tgagtgatcg gtgttcaactt gatccttcat aagtcgtcat catcatcatc 60  
atcatcaccg ttgattgaag aagatgccga tcagaaacat cgccatcgga aggctgaag 120  
aggctactca ccccgacacg ttgaaggcgg ggttggtga gttcatctcc accttgatct 180  
tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gtcaccgac aacggcgccg 240  
ccactcncgc cggcctcatc tccgc 265

<210> 48175  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037184H1

<400> 48175

cacgatctca acggagcacc tctcttcagg tcgccatcta gactgcaatc atggctgatg 60  
gaccacagca tccatcagtt gttcagaagc tagctggaca gtcttacctg gtgtccaggc 120  
taagcccaaa ctttaactct gggaattatt cctcgactgg ttcttacttc aatggaggac 180  
tgcactcttc tgggttggt gttgtgtcgc ctggatctcc agttactgtg catgtccag 240  
cagagaaagg agtgagtgga ttt 263

<210> 48176  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037185H1

<400> 48176

actcgagccg aatcggctcg agaatgaacc caacaacaag tacgatactt ttctgtgttt 60

agtacggccc agataccgcg tacaccttcg ctggtaatct ctataatgct ttgcgcccga 120  
acagaatcaa tacctttttc acagaagata atcatcatga tgagctacta ctcatgaatg 180  
gcgaccaaatt ttcacctttt gctetaagag caattaaaga atcaaacttg ttaattgttg 240  
ttctctctcc aaactacgca tcatcccca 269

<210> 48177  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037186H1

<400> 48177

atctccacat attctgatcc aacagtcttt aacactcgaa gattctctcc ttttcaaatt 60  
tcaaaccttt tcccccaaaa ctaacagacc cctcttcttc ttctctctct gtaatctcaa 120  
tcgtgcatgg gtcgtcttca ctgattcgat aataaaaaatc tcagattcat tcttcgtttt 180  
ctgttacgat ggagttgatt tcaggtctac cagaggacgt agcccagagac tgcttaatta 240  
ggattcccta cgagcaattc cgggcg 266

<210> 48178  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037187H1

<400> 48178

cttgcggcta gggtttttagc gcacttcttc tagatttaag gaagacgggt aaggaaaagg 60  
ttcacatcag tattgtggtc attggccatg tcgactctgg gaaatccact accactggtc 120  
acctgattta caagcttgga ggcattgaca agcgtgttat tgagagggtt gagaagggaag 180  
ctgctgagat gaacaagagg tctttcaagt atgcctgggt gctggacaaa ctttaaggctg 240  
agcgtgaaag aggaatcacc attg 264

<210> 48179  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037188H1

<400> 48179

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agcggcacat taaggagatt ctcgggacgt gcgtctccgt cggatgcacc gttgatggaa 60
aggatcccaa ggacttgcag caggagatta ccgatggtga tgttgaggtc cctctcgatt 120
aaggaggaag gctttgttac tctctttctc tctttttctt ttgtctttct tcagatcggt 180
tcgtgttctt tttaataataa atttggggga actatcgaac gttttgttta aggttatttt 240
accgctttgg ataatttaga tga 263
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<210> 48180

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701037189H1

<400> 48180

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ctttctttcg ccaaattgggt catcatctcc ttctcccata acacaatctt cttcaccttt 60
tctttcttct tcgcttccct tcggtgggggt ttcaagtttc accataggaa taggatgttt 120
tctaggttga ttcattcccca tgaaggccag gaagacatgc aggggtgggtc caaccacgct 180
cacctcggag acccttgtct tgttctcacc tctgatccca aacctcgtct tcgttggacc 240
gctgaccttc acgaacgctt tgttga 266
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<210> 48181

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701037191H1

<400> 48181

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gtacagatac acacttgggt gaggaagggtc ggaaaagaaa atggagttgt tcttctacac 60
ggtgttcggt ctccctggcc gcggttgtgg cagttatgga gctgagcaag aacaacatcg 120
atcgaatcaa cacctcttcc gcattcaatt ccttcagaa caactacctc ctctctatt 180
ccctcatgat ggctggggat tggctacaag gtccatatgt ctactacctt tacagtacat 240
atggatacgg gaaaggggac ata 263
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0953113-032200

<210> 48182  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037192H1

<400> 48182

catgcttcag agttgcagaa gtgtgtgtga gtttgagatg attaagaaaa taaacgaagg 60  
aacttatggg gttgtctaca aggctaggga taagaagact ggagaactag tagcattgaa 120  
gaaggtgaag atgaacatag agagggatgg atttccaatg tcatccttga gagaaataaa 180  
cattctcttg tcttttaatc atccctccat tgtgaatgtt aaagaagtag ttgttgatga 240  
ttttgatggg acttttatgg t 261

<210> 48183  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037193H1

<400> 48183

cttagcagca ggcccattca gcggcgggtc aatgaaccca gctcgctcat tcggcccagc 60  
tgtggtcagt ggagacttgg ctgctaactg gatctactgg gttggcccat tgattggagg 120  
aggtttggct ggcttgattt atggagacgt cttcattggg tcctatgcc cgtgccagc 180  
ctctgaaacc tacccttgag cttcaacttc acttgtgtgt tccttcaagt ttcattctctg 240  
ttcacggtt catgtcatga gc 262

<210> 48184  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037194H1

<400> 48184

gggaaccaa ccgaaaccct aaccctaacg gagagatggc ggacacttgg catcgatatt 60  
cgggacggag aaggacaggg tgaactgtcc gttctacttc aagatcggcg cgtgcaggca 120



cggcgaccgg tgctcccggc ttcacaccaa gccgacaatt agcccaacat tggttctgtc 180  
 gaacatgtac cagaggcccg acatgaacat gaacattatc accaaccgcc atcagccaca 240  
 accccaatcc cttgaccccg aca 263

<210> 48185  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037196H1

<400> 48185

agagaatcga aggcgacaca cagcttgcac cggattccga gaagaagacg aggcttctct 60  
 ttccaatata atctttctgc tacatgatgt tgaacaaatg atacagaatt tattctgtgc 120  
 acagaaattc tggtagatat gacaggactt atgcctggcg acttgccaca tcatggaaca 180  
 cctgatggca actctggtaa aagttctcaa gacaagcaag aggaatcatt aggtcgctgg 240  
 tatatgtcta gacaagaaat agaggaa 267

<210> 48186  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037201H1

<400> 48186

ttctaatac ctcaatgtga cctcttctgc ttcggttaaa aactaagca tggacaaagt 60  
 gtaaaactca ctttttatgg ctttcattgt cttcttcaac ttgttctgg aagccaagta 120  
 tttccaccc acttttgtga aaacagtttc atcactttcc ttctttggat gacagagtga 180  
 agttcctgca tgctttcctt tgatatcaat tggcactcct tagctgtact gcagatatcc 240  
 aagagcctca gagacacttc tagaatgtca tcaacgcact tgt 283

<210> 48187  
 <211> 282  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037203H1

<400> 48187  
 cgtttgtaag agaaagaaaa aagaggcgca agatgagtgg tagggtttct gggaaggtga 60  
 agtggttcaa cgatcagaag gggtttggat tcataacccc tgacgatggc agcgaggaca 120  
 tcttcgttca ccaatctcag atcaaactcg acggtttccg aagcctagct gaaggagagt 180  
 ccgttgagtt cgctattgaa tctgaatctg acggacgcgc caaggctgtt gatgtcactg 240  
 gccccgacgg cgccaggctc cagggaacca gacgcggcgg tg 282

<210> 48188  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037204H1

<400> 48188  
 gattatccta agtctttggg aatagtgtcg caatggcttc aagtcaggag gaggtgaccc 60  
 ttttgggagc tactggaagc ccatttgtgt gcagggttca tattgccctc aagttgaagg 120  
 gagttgaata caaatatgtc gaagaaaatt tgaggaacaa gagtgaactg cttctcaaatt 180  
 ccaaccagct tcacaagaag gttccagtgt ttattcacia tgagaagccc atagcagagt 240  
 ctcttgtgat tgttgaatac attgatgaga catggaagaa 280

<210> 48189  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037205H1

<400> 48189  
 cggatccaga gagtgtcctt aaacgacgcc gtttcgcaag catcagtagt gtagtcgcag 60  
 agaatcaaatt caatggagaa gggaaaggga gtgatgggat cgggaggacg aagatggggc 120  
 gttgacttct ccgacaattg cacttctcgc gatattcccg atcctcccg tttctctcgc 180  
 acttctctcg atcaggacga ttcaacgctc agtcgccaga agaaggacgc tgaatccaac 240  
 tggaaagccc agaaagcttg ggaggtagca caagccccta tgaa 284

<210> 48190  
 <211> 285  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037206H1

<400> 48190

gaatttccca aatttctcca ctacctatc tcctttgctc ctgaaactcg cacattcttc 60  
 atcagcaatg cacgatcttc aatacgaatg caatttcgat atttgacatc ggagtatcag 120  
 tgtttgagcg ggtgaattgg aaaatgctag aggcaatgga aagttcggtc aatggtggct 180  
 tctcccatct gcagagctgt ggagatagca gcgaagaaga gttatcggtg cttcctcgtc 240  
 acaccaaagt tgtcgttaacc ggaaataacc gcaccaaadc ggtgc 285

<210> 48191  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037208H1

<400> 48191

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 tagaccatct cttgctgtct atgttgcat tgggtggcct cttgatcaat acttcatgac 120  
 aaatcccaag aaactctttg aaagaccatt gaatgttgcc atgttgattc ccaaaacaag 180  
 caggttcttg aacaacatct ggtctgcgca gtcataaaca cttttgagtg tgaactatga 240  
 tgagcatatt ttggtcttgc ttgagagtgt cat 273

<210> 48192  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037209H1

<400> 48192

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 atccaacaac aaaaaatcaa tctgggaaac aaaaacaaaa tgccgtcatt agaggaggaa 120  
 ctcttcccat caaccccagg aaagttcaag atcgagcggg cccaccacat gaaccgcaa 180

ctctatcgct gtttegcctc caccagcacc atgttctctgt gggccctctt cttaatcgcc 240

ctcacgctt cctatctcag cttccaaggc ttcgtcgat 279

<210> 48193

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701037210H1

<400> 48193

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aacagaaccc tctgcctcac gcttaccatt ctgatctcca cttcttcgct gtgcgacgaa 120

gtgaaatttc gttgctgcaa atagtgagat ttgctgtctt tggtcagagt tgctccgagt 180

gacgcttcc cctggtgcca cgaagtgaat tttcgttgct gcaaatagtg agaatttgct 240

gtctttggtc agagtggctc cgagtgatec cttccctgg t 281

<210> 48194

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701037179H1

<400> 48194

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caatgggagg cacttggtgca gatcttcacc accatgaatc agatatagaa ctactgatg 120

ctgaaaggat tggcactgat gttggacctg acagtggcac caaatcccag ggtgaagaag 180

ctgaaggaca aactacgtt gaggtgacca tggacattca tcgtgactct gtggccttac 240

acagtgttaa aactgttgca gctgat 266

<210> 48195

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701037151H1

<400> 48195

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aacttgggtg atcttttttg agttgtagga gcccttacac cttgcagaat catctctaca 120  
ttcccaaggg ctctactac gcaataactc caagcccgat ctcaaattaa tatttcattt 180  
actcatctta atcaatatta aataagacaa gatgggagag atgtcaaact tccaattggg 240  
tgtgattggt gcactatttc tctctgtggc ttct 274

<210> 48196  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037152H1

<400> 48196

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agaagtcact ttctccaaag tcatgaacgt tgttcccaaa gtatggaaaa gactcatggc 120  
aactttttta tgcacctttg tggcgttttt cgcgtacaac gttatgacac tcgttgtttt 180  
cgttatatgg gcacttgcaa taggactaag gaatgggtggg gttgtgggtt tggttgtgtt 240  
ggggatgttg tatttcgcgg ggtttgtgt 269

<210> 48197  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037155H1

<400> 48197

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tatttcgaag ataggttcga cttggttaaa ttcgtgaagc tcgcgagaa gcaggcctct 120  
atgttcatct ccgtattggt cctacatat gtgctgaatg gaacttgggg ggatttcctg 180  
tctggctcaa gtatgttcca ggcattgctt tcagaaccga caatgagccg ttcaaggctg 240  
caatgcaaaa attcactgca aagattgtc 269

<210> 48198  
<211> 270

<212> DNA  
 <213> Glycine max

<223> Clone ID: 701037158H1

<400> 48198

attatcttgg gcgatggaaa tcctaaagca attttcaaca aggaagagga cattggaacc 60  
 tacaccatca gggctgtgga tgaccctagg acattgaaca agattctcta cctcaggccc 120  
 cctaagaaca ttactcggtt caacgagctt gtggccttgt gggagaacaa gattggcaag 180  
 accctcgaaa aaatttatgt accagaggag aaggttctca aggacatcga agaggcacct 240  
 cttccaatca atgtggtatt agcaatcaac 270

<210> 48199  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037160H1

<400> 48199

tgccgctggt gttgttgctg caccaccgaa caacttcccc tgtaaatacgc gtttcgtttg 60  
 tgcaagggtt taaaagatgg ctgatgctga ggacattcaa cctcttggtg ttgataatgg 120  
 aactggaatg gtcaaggctg gttttgcagg tgatgatgct cctagggccg tgttccccag 180  
 cattattggg agaccacgcc atactggtgt aatggttggg atgggtcaga aggatgctta 240  
 cgtgggtgat gaagcccaat caaaaa 266

<210> 48200  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 701037161H1

<400> 48200

ctccgaacga gttgacaccg attccactca ctcaaccatg agccgattca ggcgttttga 60  
 gctcatagaa caaccacctt tcttccaactc ctgctactct ttcccttctt tcgtcctcca 120  
 agactcactc tctctcgacc tcgacctctt gccacttccc agccacttcg acgctttcgc 180

agatctgggtg cacgcgncgt cgttcgctta ccggcgcggtg gagaggcatc tcgagaatga 240  
gttgcgtttg cagagcctct ctgacc 266

<210> 48201  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037162H1

<400> 48201

gctgagctga ccaagcatga ttcaaaatgg ttgcattgta tcccaagggt gtgccccctct 60  
gaattctagg tcacgcaacc atggcatacc tagtacctct gcctttcgtt gcgcttctct 120  
aatgcctccc aaggttgccg tctctaacat ccggagcttt tggggacata atctggaatg 180  
taaacccttg ttgccaagag gaatgacatt gacaaacacg tttgctgtat caagcctgcg 240  
tgtaaggagg ggtcaaaatc atctctt 267

<210> 48202  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037163H1

<400> 48202

atccgattga aagaataagt agcaactctg tagcctcttt tcccatcatc tccttacctc 60  
ctcttttttc aaattagtc tgcagaagaa gatcatcatg aggcgcttaa agtcaagaac 120  
aacaccactt ttgtccaagt ttgcgcggtt gttggagcca tggccaaatg atgctataag 180  
aaaggaacta taaacctgat caggacattt gacctgagga aacatgccct ctaggcaagt 240  
ctgatgcttg gcttttcatc tctgctgttg a 271

<210> 48203  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037164H1

<400> 48203

agcagcagca acaacaaaca aactctttct ggattcagtt tttgatgtga aaatggcagt 60  
gactcttaca tcaacactct ttctggcttt gctatttgct gcttcagctt ttgctgctct 120  
tcagcctaga gtacctgaag cttacctcca aaatgggaac tttgaggagc agccaaaccc 180  
taaatacctg aagaaaacaa agctctttgg taaatacgtt ttgcctaaat gggagatcaa 240  
tggtctgggt gagtatgtct ctgggggtcc 270

<210> 48204  
<211> 277  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037165H1

<400> 48204  
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attaaggatc atggaatccc aaacacagtc tgagctacca gttgtagact tcaccaacaa 120  
aaatctgaaa ccgggtactg atgcatgggt ttcagcttct caagtagtgc gtggtgcact 180  
tgaggatcat ggtggtttct tggcactcta tgataaggtc agtttggaga catacgactc 240  
tgttttattct gaaatgatga atttttttga cctctca 277

<210> 48205  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037166H1

<400> 48205  
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tttggacttg atactgatct attatttaat tttttagaat gccttcattt tggcttatgc 120  
tcttttggat atctttgatt aacttctcat acaaatgctg ctccattaat taagtattgt 180  
tttactcaca ttgggttcaa acatcgactt gattaattac cctctcctca tatagaaaag 240  
tatttactgt aattgtgtgt tgtatcacac atgt 274

<210> 48206  
<211> 272  
<212> DNA



<213> Glycine max  
 <223> Clone ID: 701037167H1  
 <400> 48206

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 ggcagcttct tgcctggcgt catgctgcgc ggctgcgca tgccacgcct gcaggaccgt 120  
 cgtatcgga atcagccgcc gttccgccag gatcgcttac tgcggcctct tcgccttctc 180  
 tctcgtcgtc gcctggatcc tccgtgaggt cgcgcctccc ctcatggaat cccttccttg 240  
 catcaatcac ttcaaacaca cacctagccg tg 272

<210> 48207  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701037168H1  
 <400> 48207

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 cagtttttct tgtaccaact tcttaggggc ctgaaatata tacatacagc aaatgtgttt 120  
 catcgtgatt tgaagccaaa aaacattctt gctaacgctg attgcaaact aaaaatatgt 180  
 gattttgggc ttgctcgagt ttcatttaat gatgctccat cagctatatt ctggactgac 240  
 tatgttgcaa ctcggtggta ccgtgca 267

<210> 48208  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701037169H1  
 <400> 48208

tgctttaaac cgattttctc aggagaaaca tggttctaag atggcctttt tggatggcaa 60  
 tccccctgaa agactttgta tgccgatagt tgatcatatt cagtccttgg gtggtgaagt 120  
 tcatctaaat tcgcgcattc aaaaaattga gctaaatgat gatggaacgg tgaagagctt 180  
 ctactaaat aatgggaaag tgatggaagg agatgcttat gtgtttgcaa cacctgtgga 240

tattctgaag cttcttctac cagaca

266

<210> 48209  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037170H1

<400> 48209

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gctattcgtc gcaggttcaa tttagagggc agttgcgaac acttaataga tcatgcggat 120  
gctgcggaag cattttggaa gatgaggtgc agcgtgaaca gtgtgagtca acatgtgact 180  
tggcaactca tgtcttctgt catgtatgtg ctctttgtca agaaggtcgt gagctccgtc 240  
gcaggttacc tcactctggc tttaatg 267

<210> 48210  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037171H1

<400> 48210

gatttccttc atactgagta gtgttctgaa ttgtgctttt tgatatctta agccatttca 60  
gcaacatgag taaccacact cgcgcgctac caccagcagc taccctaag atgcagcaaa 120  
ggaaggagcg acaaagggtc tccacttctg atgacagtgc catgaccaag caagttcagg 180  
ccactcatgc ccctgatggt cgtgaaattg atgtcaaacc cattctccaa attgtggatg 240  
acatatgggt cggttcacgc ctcgca 266

<210> 48211  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037172H1

<400> 48211

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cactctttct ctatctaccc tttcccttcc atccattaga gagtggaaaa catcatccat 120  
 gtgttcaat catgttaggt catggataca agagctacca ctctttgtta atttcttctt 180  
 aagaccaatc tgtgaaaggt ttgacttttc ttgtcccttg aatcccgaga acacaagcca 240  
 aatcaatctc ctattgctaa cataa 265

<210> 48212  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 701037173H1

<400> 48212  
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 gagaggtttt gtgaattggt gctgcttcgt gtctgtttat ttcctcgca ggtttgaatc 120  
 ccggaacagt gaagagaaac ggagggtccg atcctgcgat gtgatatatg agagatctgt 180  
 caggaaattg tcctgganaa aaaaaatggc gatctacgag gtatccatca gccgaaattc 240  
 ggtgaacgga aaa 253

<210> 48213  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037174H1

<400> 48213  
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 gcttttaaaa ttggtgacac agctggaaca attgacaata taattcagtg caagctctac 120  
 aggctggat ctgttggatt tgtttctaaa tctggtggga tgtccaatga actctacaac 180  
 actattgcc gtgtaactga tgggatttat gaaggcattg ctattggagg agatgttttc 240  
 cctggttcca cactttctga cc 262

<210> 48214  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037175H1

<400> 48214

gcgtcttcaa attagggtta gggtaggggt ttttttgta caaataaaat tcctattatg 60  
 cttctgcttt tgtgtgtgtg tttgtgattt tataattatt cataattgtg tgttgaaaat 120  
 gaaagccaat ttgcagagca agggcgtcga ctatgaatgt cgcattcttg cttgaagggt 180  
 ggcgaaaaca atgacgattc tccgtgccta tcaaatttac tctgttttga tgatggcctc 240  
 gaacaagtcg caacattctt tttat 265

<210> 48215

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701037176H1

<400> 48215

aaattagaga agtcgacggc tgccacagct tcttaagctt ctgaatgtac attattactg 60  
 ctgcattttt taattctcaa gttccctgtt acccattctt taggagaatc agaggggtgc 120  
 ctatatttga ggcatttgtc ggctttgtgg tcgccagttg ttggtctttg atcatgaaga 180  
 gtttgcagtt ttgaagtgtc cggagctctg tgcaccgaag ttgccattgt ccagagagag 240  
 gattgcattc gaggaactgt ggag 264

<210> 48216

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701037177H1

<400> 48216

tccaatcctg ctttccttcc ttatcttccc atgacacttt gagagttcaa gtttcctttt 60  
 ctttcctaca aatccaaaat aatagtttta gtttacaaaa tggctgtgga actcatgggg 120  
 ttcccaaaac tagacgaaca aaaggccatt caagaagccg catcagaagg cctcaagggc 180  
 atgaaacacc tgatccgaac cctttccaac caaccctctc acttaaacac cgaacttacc 240  
 gacgttaccg tttcaaagtt caaga 265

<210> 48217  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037178H1

<400> 48217

atttgaagtt gcttcctgta tgagatactg tagccgatta ttgcggaata tacctatgac 60  
 acctgagtct gcattgcttt accttgagct tccttctact gtcttaatgg ctgatgcagt 120  
 tcaaccattg actgatgcag caaagcagta tcttgccagt cgatacaaag atataacaaa 180  
 gttccaggaa gaggttatgg gcttgccctct agctggaata gaagcaatat tgtctagtga 240  
 cgaacttcag gttgcatcag a 261

<210> 48218  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037150H1

<400> 48218

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 tgcaaattggg caaatgatgc agatagagag ctactatgga gctcctaggc cttatgatct 120  
 tcagtctcag aacttatagt gcttcttatg cacaaactca aataggtcct cctagggact 180  
 tgaagttgaa gaaaggaaaa agcatttctg cagggctctt tttctccaag tcttgagact 240  
 ttgctgatcc tgagcttcag aggaagaaga ggggttg 276

<210> 48219  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037123H1

<400> 48219

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 atacggtccc cactgtgctt ccaccaagcg ggtgctgctt tgtctggttg agaaggaagt 120

cgaatttgag gttgtccctg ttgatgtcac taagggggag cagaaggatc ctgagtacct 180  
 caaactacag ccatttggag ttgttctgt catcaaagat ggagattata ccttatatga 240  
 atctcgtgct ataatgaggt attatgcaga aaaat 275

<210> 48220  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037124H1

<400> 48220

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 agcaaccacc tccagtttca tgcacccgtg taccttgtct ctctcgtctc tcgccgccat 120  
 cgctctccta caccttcaat cctcttaggt cttcatcgg tcacggcgga agcagaagcc 180  
 caggggttctg tgtccattgc tacgtctctg ctctctcac tctcccaat ctgcaatgga 240  
 tctctaccat ttcctcagtg gttttgatac tggcgag 277

<210> 48221  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037125H1

<400> 48221

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 acgaggggtga tccattgaga atagttgggt taggagctgg tgcttgggggt agtgtgttta 120  
 ttgctatgct gcaggaggct tatggtagtt taagagaaaa agttctgata aggatatgga 180  
 gaaggccggg aagaatgggt gacagggcca cggctgagca cttgttcgag gtgatcaatt 240  
 caagggagga tgtactgagg aga 263

<210> 48222  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037126H1

<400> 48222

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 ttctaggatt tctgcctgct gcatcaaaat gggaagcaac ttgaggtttt tgagtctttg 120  
 cctcttggca ttgattgcat caactcatgc tcaacttcag cttggttttt atgctaacag 180  
 ttgccccaaa gcagagcaaa ttgttttgaa atttgttcat gaccatatcc acaatgctcc 240  
 atcactagca gctgcattaa taagaatgca ctttca 276

<210> 48223

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701037127H1

<400> 48223

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 acagtataaa gaggtttgct gggtttgata aggaaaagaa ggagcttgat gctgaggttc 120  
 atcgcaaata tgttttttgt ggacatgttg ctgcctatat gaagatcttg gctgaagatg 180  
 aaccagagaa ataccagtca cacttcagtg aatacatcaa gcgtgggata gaagctgatg 240  
 gtattgaggc actgtataag aaggttcatt ccg 273

<210> 48224

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701037128H1

<400> 48224

cgcatgccg gaggaagaag tagtggagct caagttccgt ctctacgatg gatccgacat 60  
 cggctccctc cggtactccc ctgcctccac catcgccatg ctcaaggacc gcatttttgc 120  
 agactggccc aaagacaaga agattatacc aaaagcagca aatgatataa aactgataag 180  
 tgctggcaaa attttgagga accacaagac agttggccag tgtagagtac cttttggcga 240  
 gcttcccaaa ggggtataac catgcatgtt gtgg 274

<210> 48225  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037129H1

<400> 48225

cttcacattc tccattccac aacatcaagg ttctgatcat gtcggggaag aggccccggc 60  
 caatgatcgg aaagtgtcg gagttgttg tctcgagagg ccgcacgggtg gcacttttgg 120  
 acaccactgg aagccaaga ggcccattag acatgcagat gatgcaatca ccaagaggct 180  
 taaaaaatta tgatcttggg ggcgttggtc ttggaattgt ggtggctctt gataaatcca 240  
 ataacgaggt tgctgcacgt gaagttttgc cca 273

<210> 48226  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037130H1

<400> 48226

attaccaat aagaagcaac tctcaatttc tgacatttct tcaatcgagt gtttccagt 60  
 gtatcatcca agaggaacgt aggggaagat aaagagatga cgataaaacc tgttggtcgt 120  
 gtttcggagg ggaagctggt ggtgaaggag cgaacgattt tgaccggaat gccggagaac 180  
 gtggtggaga catcgacggt ggaaggaatg tttctcggag tggatttcga gaaggaagac 240  
 agtaggcagg tggtttcggt gggaacgttg a 271

<210> 48227  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037132H1

<400> 48227

gggtaaggtc gcgttgtgtt gcgtcgtgtc gtgcgctgtt cctctgtttc tcgtttttgt 60  
 gttcagaccg aaccctagct ccgcacgca accatgtcga ccaagcaagg tggaaaagct 120  
 aagcctttga agaaaccaa gtctgataag aaggattacg acgagattga tgtggctaac 180



attcagaaga aaaaggaaga ggagaaggcg ctaaaggagt tgaaagccaa ggcgcaacag 240  
 aagggaagct ttggaggttc tgggctcaag aaagtgga 278

<210> 48228  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037133H1

<400> 48228

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 acgctacaga cactctttgc caaccaagga cttgatttga aggacttggc cctgctctct 120  
 ggtcgtcaca caattggtat cgctcattgt tcatcattat caaaccgctt gttcaatttc 180  
 actggcaagg gtgatcaaga cccttcacta gacagtgaat atgctgcaaa tctgaaagcc 240  
 ttcaagtgca aggacctcag taaattgaac accacaaaaa 280

<210> 48229  
 <211> 282  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037134H1

<400> 48229

agacagacca tggcaacaaa acctcgtttg gcttatctcc ctgccatttt tgctcttctt 60  
 ctagttgtct tcaattctgt gacggcacia tccccagggc cagaatcttc atcactccac 120  
 gacaccttcc ttcaatgcct caccaaatac acaacaaact cctcatctca actctccaac 180  
 atagtcttcg ctaacaccaa cccaagttc cccactgtcc tccaaaacta catccgaaac 240  
 gcgcgtttca acacctctc caccctaaag ccttcactca tc 282

<210> 48230  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037135H1

<400> 48230

aattctgaat ttgcgggttt tggatttga cttggtcgtc aacacagtct aattaatatc 60  
 tttttgctcc ttcgcttatg aatcttcttc ttcttcttct tcttggttct gcaacgcact 120  
 gaattcgatc aatcaatcca tcttcaattg ctttgtttcg atcggaggaa aatggccgat 180  
 cagttatcga agggagagga attcgagaaa aaggctgaga agaagctcag cggttggggc 240  
 ttgtttggct ccaagtatga agatgccgcc gatctc 276

<210> 48231  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037136H1

<400> 48231  
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 tgcccgccta aagaaggctg ctgaagcaga gaaggaggac aagaataag gtccttgaga 120  
 agacagtttg taatccatat tatagttgtg agaaatttt gtttgatggc ctgcgccctt 180  
 agcttttatgg agatcatgag ttttaaagca ccacccttac aatttttggt tgaactcaag 240  
 tctgttaatt taattagcac tctggctctgt ttg 274

<210> 48232  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037137H1

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 ggcaaccggt ttcattgccac tagtgtcact tatgtagcca ccaaaagtgt tgggtggctac 180  
 aatgatgacg ctaataagca acatgatatt actggtgtct atcccgaata agacaccggt 240  
 agacatcatt ttggctcgtg ttacgacggt gaca 274

<210> 48233  
 <211> 273

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037138H1  
  
 <400> 48233  
  
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 ttctatttgc tttcttggtta gctgccacta cagaatcaag aaaagataca ggggaatatt 120  
 ggaaaatgat catgaaagat caggaaatgc cagaaggact tcaaggctctt gtttcatttc 180  
 aatctgaaaa taaccctaag actcaagagc agcttggttaa aggttcctaaa aaccattgtg 240  
 aagagtctct agttacaaat acacaagtta ata 273

<210> 48234  
 <211> 269  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037139H1  
  
 <400> 48234  
  
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 ccatctctgg tttcgagggt gacaacatga ttgagaggtc caccaacctt gactggtaca 120  
 agggaccaac tctccttgag gctcttgacc aaatcaatga gccaagagg ccctcagaca 180  
 agccactcag gcttccattg caggatgtct acaaaattgg tggatttggg accgtgccag 240  
 tgggacgtgt tgagactggt gtcgtgaag 269

<210> 48235  
 <211> 101  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037140H1  
  
 <400> 48235  
  
 aattaagatt ggaaatgaga aaatagacgg aagtgagaga ggaggcactg agcatccaac 60  
 aatggccttg ttctctgcta ccgcaaccgt tcttctctgg a 101

<210> 48236  
 <211> 89

<212> DNA  
 <213> Glycine max

<223> Clone ID: 701037142H1

<400> 48236

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 gtgcagagta cactactctt ctccatcaa 89

<210> 48237  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037144H1

<400> 48237

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 ccgccataac agccggctgc tccgtcgttg agccatggac agccatcgtg tgtgggtttg 120  
 tcgcttcagt ggttctgata gcgtgcaaca cattagcaga gaagggttaa ctcgatgatc 180  
 ctttggaagc ggcgaggtta cacggtgggt gtggcgctg gggggtgata ttcacggcgc 240  
 tggttcgcgaa aacggagtat gtgagcca 268

<210> 48238  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037145H1

<400> 48238

aattaacctc actcaaactc gggatcacag aaaccaacaa cagttcttgc actgaggttt 60  
 cacgatgttg ctggaacttg cacttggttt gttctgtgtt agctttgttt ctgcacttgc 120  
 gtccacacc aagtgcaaaa tcaaaagcac ttcgccacct cccaaaccct ccaagcccaa 180  
 agcctcgtct tcccttcatt ggccaccttc acctcttaaa agataaactt ctccactatg 240  
 cactcatcga tctctccaaa aagcatggcc cc 272

<210> 48239  
 <211> 269

0953113-022200

<212> DNA  
<213> Glycine max

<223> Clone ID: 701037146H1

<400> 48239

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atgcccacca aagcaaaacc acatatctct ccaaaggccg actcttttcg ccctttataa 120  
ccaaatcaag aaaccccaga tctcgggtat agctgggtgat cttgaatttc tctgtcttct 180  
gtctttcttt aatttcttct cttttctttg accattacat tcccggaaaa cggttttccg 240  
gggaaagaag tgaacgaagg gcacaattg 269

<210> 48240  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037147H1

<400> 48240

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agtttcttac ctcaccacaa ctcatatttg gggaggagat tcttcacttc agccaccctc 120  
agcaccctct ctcaatgggtg gatctccctg acctgttcaa ttgtgtgggg tgcaaagagt 180  
atggctctgg aaagaggttt gtttgccagc aatgtgattt tcagctgcat gacttctgtg 240  
ccttggtccc tctgtctctc aaggcacacc 270

<210> 48241  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037148H1

<400> 48241

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caggtgatga gcttctctct gactccttcc gttacaagga aattgagaat ggaatgctgt 120  
gggaagtga ggggaagtgg gttgttaaag gagcagttga tgtagacatt ggtgcaaacc 180  
cttctgctga ggggtggagga gaagatgagg gagttgatga tgcagctgtt aaggttggtg 240

0022250"ETTES60

acattgttga cacattcaga cttcaggagc aac

273

<210> 48242  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037122H1

<400> 48242

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ccatcgtagc ctacactggc ttctctcctt ccaccttctt cacggtgctg gcgcttcttt 120  
ttgccgttta ctacgtcgtc acgggtctct ttggctcctc cgacgatcac catcacgcc 180  
accgccacgt cgaggaggag gaggagatgc cgcctctgcg ccccccggtt cagctcggcg 240  
agatcacagc ggaggagctc aaggcctacg acgg 274

<210> 48243  
<211> 280  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037149H1

<400> 48243

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agtctgtgtt gttcagcttc attttcccc cgccaccttc tctggtggtt tgggggttga 120  
ctgtgacaag cttcctgata ctggctaatt ctttcttgtc agaaattaga ggggaagcatt 180  
tgaactattc aaagttttgg aatgctaate cctctgcaga aaagcaggtc aagttgtcta 240  
gcaaagctgg catgcttttg ctgtacactc ctgcttttct 280

<210> 48244  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037092H1

<400> 48244

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aggaatggct taatttggca gattcagatg gagatggctg aatctctggg aacgacgcca 120  
 caaagttctt cgctctctcc aacttgctgc gctcgcaact gaagcaactc tgggctctcg 180  
 ccgatgtcaa aaggcaaggg tttttgggct tcacagagtt tgttcttgca atgcagttgg 240  
 ttctgctagc aca 253

<210> 48245  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037093H1

<400> 48245

ctgaattctc ttgttgcaga gtaacacatg gctctgttat tcaaggatcc gtcgaacatt 60  
 tcagcgtatc gagatagaag gttccccgga acgcaagagg cgtttgagca cgcgcttgtg 120  
 acctcaacca ccgtttacgt ggggaacatg tctttttaca cgacggcgga gcaagtttac 180  
 gagctcttct cgcgtactgg ggaaataaaa acgatcatca tgggcttgga caagaacacc 240  
 aaaacgcctt gcg 253

<210> 48246  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037094H1

<400> 48246

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 ggcggaagaa agtggaaacg acgccgttgg aagggtggga gaagatgagt tcgcagcaaa 120  
 tgcaaagtca aattcaaatt caaaacagtg gtggtggcag tggcaacaac aacagcagca 180  
 acatcccagt gagcagaggtt ttctggactc tcgtcgacaa agccgacaaa aaattctcca 240  
 aaatcagaga ccttcc 256

<210> 48247  
 <211> 259  
 <212> DNA  
 <213> Glycine max





00531113.032200

<210> 48250  
<211> 280  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037106H1

<400> 48250

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aaaagagggga ttccagctta tggatacaaa caacagaggc aagattaaca ttgatgaatt 120  
acgagtaggg ttgcataaac ttggtcacatca agttcccgaa tcagatgtcc aagctcttat 180  
ggaagctggg gatgtagatg gggatgggca cctagattat ggagagtttg tagccatttc 240  
tgttcatctg agaaagatgg gaaatgatga gcattctcgc 280

<210> 48251  
<211> 272  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037107H1

<400> 48251

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ccaacaaaca cacatggaag atgagccttt gtgctatcgt ggctatcaca attgttggac 120  
tagtagtcag aggcaacact agctatggaa tactgtccgg agcagaaaaa tataatgatg 180  
gaatcgcaac caatcagggga gatattgttg aatcagatgt gggagttgtt gcaaccgatg 240  
atgctcggtg ttctgcaatt ggtgtttcaa tg 272

<210> 48252  
<211> 278  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037108H1

<400> 48252

gaaaacttgg gagggtttta taggggcatc tgttaccacc atcatctctg catttatgct 60  
tgctaacatc atgggtcgct ctcagtggct aacgtgtcca aggaaggatt tgtcaactgg 120

ttggcttcac tgtgatcctg gtccactggt taagccagaa tcttatccct tacctggatg 180  
tatttctcac tggttctctt ggaaagagat atcaatccta ccaattcaat ggcattcttt 240  
atgtctaggc ttgtttgctt caattattgc accttttg 278

<210> 48253  
<211> 280  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701037109H1  
<400> 48253

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tattaaagag tagcttatat atttgttact ttttcttttt tttggagaaa atatatatat 120  
atatttgta cttattagta agtcaatgtc aaacatgaga caccctcgg ttgtatgaaa 180  
tgaaggagat gttacaagac ccaaaagggt gattcaatag ctcattactg gaaataatca 240  
tatggtaa ataatatctt tgttctattg actccctaaa 280

<210> 48254  
<211> 275  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701037110H1  
<400> 48254

gctcgctctt ctactcgtc atcttcgaat tcgtctgcgc cctaacaaaa ttcatttcaa 60  
ttccaactcc tctgatcaaa atcctaggct cgttcttgaa tccctaattc gatctcctcc 120  
tctcctccg aagaataaaa ggaggatcga tgtgggcagc atcttgctg gcgtcgtgct 180  
gcgcggcctg cgcattgcgac gcctgcagga ccgtcgtttc gggaatcagc cgtcgttccg 240  
cccggatcgc ctactgcggc ctcttcgcct tctcc 275

<210> 48255  
<211> 277  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701037111H1

<400> 48255

ctgcagagta tgggttggat gctccaacat taaatgcaac tggtccttat ggcaccctac 60  
 tgaaagggga tgttctatct gcaattaagt caggaaaatt gtctccaaa cctgcttcat 120  
 ctaaagaaaa ggcattgtca tctcaaagtc atcaacaagt tgcagcttcc caagagtcaa 180  
 aatctgactt aaaaaagtca gatgcttatg aagattttcc taatagtcaa attcgcaagg 240  
 tgatcgccaa gagattattg gactcaaaac aaaatac 277

<210> 48256

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701037113H1

<400> 48256

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 aaacagaaca acaatggcga cacttaaggt tctcagcct ctcccccccg ttgcagatga 120  
 ttgtgagcag ctccgaaaag ccttctcagg ttggggaact aacgaggagc tgattgtatc 180  
 gatcttggct cataggaatg ctgctcagag gaagcttatc agagaaactt atgccagac 240  
 ctatggagaa gatctcctca aggccttgga caaag 275

<210> 48257

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701037114H1

<400> 48257

gctgaatgga ggtgttgag ttgctggctt ccgattttcc cctccgccat tccctttcca 60  
 agcccaccgt ctcccttctt cccactcact cactctccgt cgctcgtgttc cggcggcgga 120  
 gatcaccctg cggcggggcg tgggtgggtc cgcgagcatg cgcggtggag gtgtcggagt 180  
 cggaggggagc gaagatggtg atggagctgg tgggagcctt caacgagttg acggagagaa 240  
 tgaacgtgct gtcgacgagc tcttcgcgtc ttctc 275

<210> 48258  
 <211> 277  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037115H1  
  
 <400> 48258  
  
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 gcattaagat ttcgttttgt gtgatgtgtg tgttgggggtt ggtgatcgtg ggtgatgttg 120  
 cctacgctca agattcagca gaagactacg tgaatgcaca caatgcagca cgagcagagg 180  
 tgggtttctca atcaccaaga caaacagtga ttgttccaag tttggcttgg gatgatacgg 240  
 ttgctgctta tgcagagagc tatgctaatac aacgcaa 277

<210> 48259  
 <211> 279  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037116H1  
  
 <400> 48259  
  
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 ctcaccgacg accagatcgc cgagttcaag gaggccttca gcctcttcga caaggacggc 120  
 gatggttgca ttactaccaa ggaacttggg actgttatga ggtcacttgg tcaaaaccca 180  
 actgaggcag aactgcagga tatgataaac gaggttgatg ctgatggcaa cggaaccatc 240  
 gatttccag agttcctcaa cctgatggct cgcaagatg 279

<210> 48260  
 <211> 285  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037117H1  
  
 <400> 48260  
  
 ggtttttgtt agtgcagaaa cagagaaaga tggatgagga gaatggttac agtgggagta 60  
 tcagctctaa cttggagact acaaaagcag agagatctgt gtggctgatg aagtgccctt 120  
 tgggtgtggc taagtcattg cagacccatc ctcttctca acctctcgcc aaggttgtgc 180

tctcccttga tcctctccac cctgaagaag acgatccctc tgctgtccag tttacaatgg 240  
 agatggcagg cacagaagct gtgaatatgt ccacaactta ttcac 285

<210> 48261  
 <211> 282  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037118H1

<400> 48261

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 tggactcagc aaatcgaggg gctttcagtc gcttcttcag cgacaagggt cgcgttctca 120  
 gcgaggagga acaggccaaa gaaaacgtct acatccagaa atgggagagg gagagggttg 180  
 agaaacagaa gcaacaggct gagaagacca aggcagacaa gggcaaagat gctgctgctg 240  
 ataagaaacc tgaaggttct caaaagggtc gagtttatcc tt 282

<210> 48262  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037119H1

<400> 48262

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 tgttggtgtt ccacatccac gaagatcaaa accagacacc aatgcatcac ctctacaat 120  
 aaaacggtct aaaagcgtcg aggattcaga gattttgtct ggtgaaagca tgaagaactc 180  
 gttgaggctg ctagacgttg ttccaaagtc taacctatcc tacggcttca atagactggc 240  
 caagggtttc aagaattctt ctcaattgtt tgt 273

<210> 48263  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037120H1

<400> 48263

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agctatctat tttccagctt ggaatcagtc ctcagataat agcatccatt attatgcagg 120  
tactctgtca tgttgtccct tctttagtaa agctacggaa agaaggtctg gatgggcatg 180  
agaaaattaa gagttatata tgggtgatgt catttggctt tgcaattctg gaagctttaa 240  
tagttgcttg ctactcactt ccatattcaa tttatgctg 279

<210> 48264  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037121H1

<400> 48264

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caccaagctt gaaccccggt ggaggagttg ggcattgtga caaagtgggt ggtgttgatt 120  
cctatttcac tggatctcct cactccaaac tcgctgttct tatgctctcc gatgtttttg 180  
gatatgaagc gccaaattta aggaagcttg ctgacaaagt tggggctgct ggggtattatg 240  
tagttgttcc tgacctcttg gatggcgaa 269

<210> 48265  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037090H1

<400> 48265

atcccacggt aaagctaaac tacgagagaa tcataagatt taagccaaca tacaattaga 60  
aacaacaca gaaaagaaat gacttatttc tagctcctag ttatttgttt tttttttcat 120  
ttttttaaga actaagaaaa ctagtcctat agaggacatg taattatggt caagatactt 180  
atgttgaatg tggccaactc ttggatgacc acgtggaata atacttttat ttattttttt 240

<210> 48266  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037060H1

<400> 48266

acaccacaca ccacacacat agtagctatt atactctcta gagtaattgc ggaatctgct 60  
agaattttct aataatggcg aaagacgttg agcagggtcac agagcaaggt gaatactccg 120  
cgaaggacta ccatgaccct cctccggcac cgttgatcga cccagatgag ctacaaaagt 180  
ggctccttgta cagagccgcc atagctgagt tcatagcaac actccttttt ctttacatca 240  
ccgtgttgac cattatt 257

<210> 48267

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701037061H1

<400> 48267

ggacggtgga acattcgctc tttattcgct gctctgtagg catgccaagt ttaatttgct 60  
ccccaatcaa caagcagctg atgaggagtt atcatcctat aaatatgggc cctcttcaca 120  
ggctatagcc tcttctcctc taaagacgtt tctggagaaa cataacaggt taagaacagc 180  
cctgcttggt gtggtattgt ttggtgcttg catggtcatt ggtgatgggtg tgcttactcc 240  
agcaatttcg gttctag 257

<210> 48268

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701037063H1

<400> 48268

acaaaaacca atcggatcgt ttcctctgcg gcgtcagaaa tccatggatc cctacaagaa 60  
tcggccatca agcgcttca attctccctt ctggactact aattccggtg ctcccatctg 120  
gaacaacaac tcatcgctga ctgttgatc tcgaggtagc gtatgggtatt caatattatt 180  
ttctctactt catgatcaca ttttttcac cagatgactc taaccaaga ctttacttaa 240  
caacttaagt caggaccact cgg 263

<210> 48269  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037064H1

<400> 48269

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 gctacctcaa ctttgcgtat tacttttggt taggggtgtag ttttagtgtg tactagttga 120  
 gtgcaatgct gtgggctatg aatgatgctt tttcgacccc aataatggta taaatagccc 180  
 tacgagaagt gattgtcaca tctattttgt attgttgtct tcaataaatt tggacttcta 240  
 aaaatcctaa tagccggtgc aaat 264

<210> 48270  
 <211> 134  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037065H1

<400> 48270

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 ccacgcaacc ctcgtgcttc tttcagcttt tcggtgctct gaaagagctc aagagaccga 120  
 tctggatgct gatg 134

<210> 48271  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037066H1

<400> 48271

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 agtatggttt cttttacctt gtgaaccatg gcgtggagaa tgacttggtc aaagcctttg 180  
 atgagagtca gaggttcttc tcaactccac caggagagaa aatgaagttg gcccgcaagg 240



267

<400> 48272

<400> 48273

<400> 48274

19161

<210> 48275  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037070H1

<400> 48275

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 tccagtgact aagttgcact tcagaggagg taggattttc aatgctgtca tggaggattt 120  
 actagcaaaa ggaatgaaaa atgctcgaaa tgctattatc tcgggatgtt cagctggagg 180  
 attaacatca gtactgcatt gtgatcgatt tcgagctcta ttacctaggg gagctagagt 240  
 gacatgcctc tcagatgc 258

<210> 48276  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037071H1

<400> 48276

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 aagctctagt tacagatgcc gacaacgtca tcccaaaggc tgtcgaagcc ttcaggagtg 120  
 ttgaaaacct tgagggaac ggtggccctg gaaccatcaa gaagatcact ttcgttgagg 180  
 atggagaaag caagtttgtg ttgcacaaaa tagaatcagt tgatgaggca aacttgggat 240  
 atagctatag cgtagtt 257

<210> 48277  
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 <213> Glycine max

<223> Clone ID: 701037072H1

<400> 48277

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 aagccccgct gggtcctccc gtaccgaacc gagaatctgc gcgaggtcta cactctgtcc 120  
 cgaaaactag ggcaggggtca attcggaacc acgttcctct gcacgcacaa gggcacgggg 180

cgacacctacg cctgcacgtc aatcccgaag cggaagctgc tctgcaagga ggactacgac 240  
gacgtgtggc gg 252

<210> 48278  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037073H1

<400> 48278

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aactcatttg tgatatctct ctgtattttg taatattagc attttcttcc cgattttgta 120  
cttccaagtg attcttgacac cttaaaaaaca aacgattaac tactgtaaat tatattaaat 180  
gctggtgctg atgaacacga ttggttatac caaaaaaaaa aaaaaaaaaa aaaaaaaagg 240  
gggggcccc ta 252

<210> 48279  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701037075H1

<400> 48279

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agtggttcaa cgatcagaag gggtttgat gcataacccc tgacgatggc agcgaggaac 120  
tcttcgttca ccaatctcag atcagctctg acggtttccg aagcctagct gaaggagagt 180  
ccgttgagtt cgctattgaa tctgaatctg acggacgcgc caaggctgtt gatgtcactg 240  
gccccga 247

<210> 48280  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037076H1

<400> 48280

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cggaactggt gtcaaccctg ctcgtagtct tgggtgctgct atcatcttca acaaggacct 120  
tggttgggat gaacatggat cttctgggtg ggaccattca tcggtgcagc tcttgagca 180  
ctctaccacc aggtcgtaat cagggccatt cccttcaagt ccaagtgatt caatcaaacg 240  
gttcatgctt aa 252

<210> 48281  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037077H1

<400> 48281

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gatctccgcc acctccattt acttcgagag tctcccttac aaggtaaact ccaccaccgg 120  
ctacatcgac tacgacgctt ggaagaaaaa gccctaggac ttcaggccaa aactcataat 180  
ctgcggtggc agcgcgtacc ctcgcgattg ggactacaaa cgtttcaggg aagtcgctga 240  
taagtgcgga catt 254

<210> 48282  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037078H1

<400> 48282

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tctgtgacta gctagtgagt ttacttttga aattaaccgg ctaatgattc ttgggttggt 120  
tgatgagtat aaattggtca acacaaaagt tgcattcaac atcggcaatt tattttcatg 180  
acaagcattc cgactttgcc tattatacaa gcaagtaaca ataaaagctt tttccctcta 240  
ttaggtcact atatgagg 258

<210> 48283  
<211> 260

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037079H1  
  
 <400> 48283  
  
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 gacggcaaag gcgagacgga ggtggtggag gccgggagc acgccatcat gaggcggacg 120  
 ggactccccg cgcgagacct gcgtatattg gacctctctt tgtcctacct ctccaccctt 180  
 cttggccgtg agagggccat cgttatcaac ttggagcaca tcaaggccat catcaccgcc 240  
 caagagctcc tcctcctcaa 260

<210> 48284  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037082H1  
  
 <400> 48284  
  
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 gttgcatgta gcacagcaaa agctgttgag tgggatgctg cttggtctaa caaccttgag 120  
 ccctcaggta gagcagcact tggagtgcac gcacagctt atggaaacca ggtcaaagct 180  
 gtagaaccag agaagatcat acccaagatg gaagtttctc caccaggagt tgccatatag 240  
 agcttgatg agccatagca agga 264

<210> 48285  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037083H1  
  
 <400> 48285  
  
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 aatcgaaggt ccgttagtcg agggattgga tcggatttgg attctctcat cccttctgat 180  
 ctgttttgcg ttacttgatc tatgatactt gtcttgcttg atctataatg attcttttat 240

tactcacacc aatcggtg

258

<210> 48286  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037084H1

<400> 48286

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cctctgtaga gtgtagacca acctcctttt ctttgctttg agctcgctcg atcttcttcc 120  
atttcattgc ttgttttatt ttattttatt tatttaagcc ttttaaagtc ccaacatttt 180  
gttcttgctg tttgagattg atgtattcaa ttctgagtga aatcttcttt tccgggtgta 240  
tgatcaattc cactgcgaa 259

<210> 48287  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037085H1

<400> 48287

cataaccatg tcagacgagg agcaccactt cgagtcaaag gctgatgctg gagcatcaaa 60  
gacatttccc cagcaagctg gaaccatccg caaaaacggt tacattgtca tcaagaacag 120  
gccatgcaag gttgtggagg tttcaacttc caaaactggc aagcatggac acgcaaagtg 180  
tcactttggt gcaattgaca tcttcactgg gaaaacgctt gaggatattg tcccatcttc 240  
ccataactgt gatgttc 257

<210> 48288  
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<213> Glycine max

<223> Clone ID: 701037086H1

<400> 48288

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ccgtacagtg tctgtgaacc tgcaaggaag caaggtttct ctatatggtg ctgatgcaag 120  
 cttaactggc ttggtggaca atggaaaaat accaatgact cttgtctttg aagttggatc 180  
 gctaggggaat attgttggga ggttgggtgag gtccaaacat cgaaggcgtg tctcttgctc 240  
 agtggctatt gattccc 257

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<223> Clone ID: 701037087H1

<400> 48289

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 aggggcaccc tgacaagctc tgtgaccaga tctccgatgc tgtgctcgat gcatgcttgg 180  
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 ttttcggcga gatca 255

<210> 48290  
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<223> Clone ID: 701037088H1

<400> 48290

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 ggtgaccaat ccgtgggcaa caccagcatc atcactcgct tcatgtatga taaattcgat 180  
 aacacctatc aggctacaat tggattgat tttctatcaa aaactatgta tcttgaagat 240  
 cgaactgttc gactgca 257

<210> 48291  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037059H1

<400> 48291

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aagaaatccc aagctcttcg aagtggc 87

<210> 48292

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 701037089H1

<400> 48292

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cgccatgaga tgaattatta ttctccgaaa acgttggttcg tttttgggga ctcgatatgtt 120

gataccggga actatagaat aaatcaagct ggttcgtcgt ggaaaaaacc ttatggcgaa 180

acttttcccg gaaaaccagc cggaagattc tccgatggaa gacttctaac cgactacatt 240

gctaag 246

<210> 48293

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701037029H1

<400> 48293

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aaatccaaac cctaatttcc tccccgacca atctcaaacc ctcgacttcg actccctcat 120

gcctccgcaa cccgaatccc caccgcccac ccataccac tccccgacg cctctccacc 180

ggaatcctcc ccgtcgccgc cgctccgtc gatcctctac ctctccttca accaggacca 240

ggcctgcttc gccgcccgcg ccgacaacgg cttccg 276

<210> 48294

<211> 263

<212> DNA

<213> Glycine max



<223> Clone ID: 701037030H1

<400> 48294

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agagaatcca caaggctgca taattatgtg acaattacgt ccacggcggt gcattattgg 180  
gttctgtaaa tgatggtggc cattcacaat ttgtctcaat tatcatcatg tttaatcacg 240  
tccaatccaa tgtttttgggt att 263

<210> 48295

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701037031H1

<400> 48295

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atgtattctg tttgagtttg aaacattgat tcgttgtttc ctctgcaaaa ttaaattctc 120  
attgtgattg ttgatgaaca attgcagtgt ctctccgatt tgaggattcc ggcgacagcc 180  
agcgatgacc accggcgggc acggtgacac ctcaaacaa gagctcttcc accttatcaa 240  
acgcttcgga gcttgcgtca ctttc 265

<210> 48296

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701037032H1

<400> 48296

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cggagtgttc tttgccgaac tgaacgaggt tctgacacgt gaattggcgg cgacgggtta 180  
ctccggcgtg gaagttaggg ttacgccgat gcgcaccgag atcatcatca gagccaccag 240  
aaccceaagcc gttctaggtg agaaggg 267

<210> 48297  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037034H1

<400> 48297

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 attttggaag gtccagaagt cagtcaaggg cagccagagc tacaacaatg ggaggcatgg 180  
 attatgcaga ttcaaaaaag acgggcaatt ttgttgggaa agtattttctt gctgctgcat 240  
 taacaacact gtgcataatc atgatcaagc g 271

<210> 48298  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037035H1

<400> 48298

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 aatcagaata agagggggttc aattttaatc aagtctgctg acttttcatg ggaagataat 180  
 gtatcaaagc caacactgag acacatcaat ttggagggtta gaccagggca aaaggtggct 240  
 atctgtggag aggttggctc aggcaaatca 270

<210> 48299  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037036H1

<400> 48299

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 taccaatcaa atcacacttt tgtgttgtgt tgggaaaccc taaaccccggt ttctcggtgag 120

atcgagatcg atcgaacatg gatgaggagt acgatgtgat cgtggtgggc acgggtctca 180  
 aggagtgc at tctcagcggg cttctctccg tcgatggcct caagggtctg catatggata 240  
 ggaacgacta ttacggagga gaatcc 266

<210> 48300  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701037037H1  
 <400> 48300

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 actccaacaa atgcttcact ttcatttccct gttactttaa gccaaccaac gccaatagga 180  
 caacatcaga catctgtgtc ttcaatgc atacctatgt ctggtatata gtcatcaata 240  
 cctaaccagt cattgaccca tcta 264

<210> 48301  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701037038H1  
 <400> 48301

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 gaagaatcgc aaatttggtg agaccatcga actccaaatc ggggtgaaaa actacgatcc 120  
 acagaaggac aagcgtttca gtggctctgt caagctgccc cacatccctc gcccgaagat 180  
 gaaaatttgc atgcttggtg atgctcagca tggtgaagcg gcggagaaga taggactgga 240  
 ctggatggct gtggaag 257

<210> 48302  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701037039H1

<400> 48302

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 cccagaggag ctacacagt ggtccttcta tagagccctc atcgctgagt tcatagcaac 180  
 ctttctcttc ctttatgtca ctgtgctcac cattattggc tacaaaaggc agactgatac 240  
 aacggtaggt ggcaccgact 260

<210> 48303

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701037041H1

<400> 48303

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 agtcatgagg gaaacaacca accgctccat catcgctcac gaagacatag actgcaacaa 120  
 agaggtgcat gctcgaccaa caacgaaacc tttttcagat tcagattcag acttcgaccg 180  
 caagcgtgtt aaggttaagc cttacaggtt tactctgtcg ggtctgctta acaacatgga 240  
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<210> 48304

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701037042H1

<400> 48304

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 gtggtggtgg tcgatttggt ggaagagggtg gtggcggtcg atttggtgga agtgggtgggtg 180  
 gtggtcgatt tgggtggaagt ggtgggtgggtg gtcgatttgg tggaagacgt ggcggtggaa 240  
 ggggtcgtgg aaat 254

<210> 48305  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037043H1  
  
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 atggcttagt cccatcccc accccttcat caaagagaag gcgggcaata cagaaaagg 120  
 tgggtgcaat cccaatgaag gagacagacc cgtgtaggct aaaaggagag agcaacaccc 180  
 caccctcgga ttcatgggct tggagaaagt atggacagaa acccatcaag ggttccctt 240  
 atcccagagg gtactacagg t 261

<210> 48306  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037045H1  
  
 <400> 48306  
  
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 ctctcccttg tcttcttctt aattagcctc tctcattgag tgcaccagcc caaaaaaat 120  
 atagatata 129

<210> 48307  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037046H1  
  
 <400> 48307  
  
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 gccgcgccgc ccccgccgca atggatcgct ttccgttctt acccatccag cagcaaatcc 120  
 tcgtgacca ccccgtcgca ccatgcgccc gggttacttt ctcgaccggg cccacttcat 180  
 gaccagccc ttccactcc gattcgaacc gggtcgggtc cagagcgact ccgactcgtc 240  
 ctccgtcgtc gt 252

<210> 48308  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037047H1

<400> 48308

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 aagaacatag gaggttacct ctaccctcaa ttttacgacg gttcatgccc cagagctcaa 180  
 gagattgtcc aatccatcgt tgccaaggct gtggcaaaag aacccccgcat ggctgcttcg 240  
 ttgctcagac tacatttcca tg 262

<210> 48309  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037048H1

<400> 48309

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 ctcaggtttt gttagcgaca acaataacca tgatgaagct atcctaagag catttgacgc 180  
 caagaacaac gagcacatac agtgcaagat ggagcaattt ttttctaacc actcacaaga 240  
 cacgggcttg agcaacgaca gaaaca 266

<210> 48310  
 <211> 136  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037049H1

<400> 48310

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ttaatacagt ttcacc

136

<210> 48311  
<211> 265  
<212> DNA  
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<223> Clone ID: 701037051H1

<400> 48311

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acaataccca aaattccttt tctattgcta ctttcctgc ttctcttcag tttcgtaaac 120  
gcattccttcg acctcgctac tatacccttc aacgacggct attctccgct cttcggagct 180  
agcaacgttg ttcgctccga ggatggatac ggcgtacaac tccgcctcga tgcgtacaca 240  
ggttcggggtt tcatttcctc cagta 265

<210> 48312  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037052H1

<400> 48312

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gagagcgggtt ttgcagaaaa aatccaagta aatttaagga gccaccactg ttccaatcag 120  
cccctttcat tttgcagtgc ccgtttatct tttcgtgttt gcattcaccg ttccacagaa 180  
ggcaaaaagc ctgctttggt ccatctcttt ctgtgggtgtg tctcaagata aaaagctcac 240  
tcattcacag cagcaacaa 259

<210> 48313  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037053H1

<400> 48313

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 cgggtggcgca agagaatttt ccgtcagagt cttggccgca gaggggtccgt gcccatatcc 180  
 gacccgacca agacttcggg atttttacaa tccttgattt gccgctctcg aggggtgaatc 240  
 cagtgggtggg aagcggcggg g 261

<210> 48314  
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 <212> DNA  
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<223> Clone ID: 701037054H1

<400> 48314  
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 tttct 125

<210> 48315  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037055H1

<400> 48315  
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 tgatcggaac agaacagagg catgggtcaa gcttttcgga agctcttcga caccttcttc 180  
 ggcaataccg agatgcgggt tgtgatgctt ggtctagatg ctgctggcaa aacaactata 240  
 ctgtacaagc tccacat 257

<210> 48316  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037057H1

<400> 48316



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 ccgccgaaga attcaaagtc ccgccccaga ccagcgctat catcaccaat gatggtgttg 180  
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 tgattccgcg cgataggg 258

<210> 48317  
 <211> 251  
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<223> Clone ID: 701037058H1

<400> 48317

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 aggcggaggg tccggcagag ggggttcggt ggaggcaggc gcaggacag caatgggagc 180  
 ctcttggttc gtaacattcc cctcgattgc agaccgagg agcttcgcgt ccctttcgag 240  
 cgatttgac c 251

<210> 48318  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037028H1

<400> 48318

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 ccagagagcg agtccttgtc attgaaggag gatagcaata gggtttctga ttccgagaaa 180  
 aatgccattg atgagctgaa gaagctcctg aaagaggaat tagaggacga ggaggtttcc 240  
 atctggggcg tccctctctt t 261

<210> 48319  
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<212> DNA  
 <213> Glycine max

<223> Clone ID: 701036992H1

<400> 48319

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 tctccggtcg ccctctcttc tatctccgtc accgtggcta ctccctttct ctggttggcc 180  
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<210> 48320  
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 <212> DNA  
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<223> Clone ID: 701036993H1

<400> 48320

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 ctccaaaaat acccccagga ccatggaagc tacctatcat agggaaatata ctccatcttg 180  
 tctaattctac accacaccga aaattaagag acttggccaa aatatatgga cccttgatgc 240  
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<210> 48321  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701036994H1

<400> 48321

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 ttctctggct gattatatcg gagtggcgac atccaagcac gccacgatg tgcctcacac 180  
 cgccggcagg tactcgggta agcgggtcag gaaggcgcaa tgccccattg ttgagaggct 240

gaccaactct ctcatgatgc acggtagaaa caatggcaag

280

<210> 48322  
<211> 114  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036995H1

<400> 48322

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tataattgta tctggtgaag tgaaaaatta atgtgcatga gttgattatt ttaa 114

<210> 48323  
<211> 286  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036996H1

<400> 48323

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aacaaccctg actttgtggt cgaagttgtc tctctcttct ttgaagattc tgaaaggctt 180

ctcaaagatc tcacctttgc cctagatcag aatggcgttg acttcaaaaa agttgatgct 240

catgtgcacc agttaaaggg tagcagttca agcatagggtg cacaaa 286

<210> 48324  
<211> 136  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701037002H1

<400> 48324

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cccgaccggt tcgaccggga agcatatggc gggaactata acggttttgc tcgggatatt 120

tggagtttgg gtttaa 136

<210> 48325  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037004H1  
  
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<210> 48326  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037007H1  
  
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 tcaagtttac caagctcttc atcaatggag atttcggtga ttccttatct ggaaggacat 180  
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<210> 48327  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701037008H1  
  
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 ttgcagagag cgagatgcat catcgttgac ggtgacgct ctccgctcct ccctggccat 180  
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<210> 48328  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037009H1

<400> 48328

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 tttatcttat taacgacatt acctttgaat gcacggtaga gaccaattta aattatttta 120  
 aatagataaa tgattatatt ttactcaaaa aggtgatcaa attgaagttt ttaaaaagaa 180  
 gataaagaac taaaacaata atttgatctt aatttaatta tattttatta cttattttatt 240  
 ttgataattt ttagcgggta gaa 263

<210> 48329  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037010H1

<400> 48329

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 gtgaatgttt acaaaagggg tgagaagtgg atattttatg aattctacaa aatttagatg 120  
 ctatttttca tctcttgttt tttggagtta ttgatgtact ttaaattcga tcacactttt 180  
 ggctaaaaaa taaagaagaa aagatgataa cacacttcct tgtgttgtgt attctgtgcc 240  
 catcagtgga gcttttaaatt tt 262

<210> 48330  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037011H1

<400> 48330

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 acaactcaca gactccaacg atgccgtttc aacagacttc gagcagcgtt ccttcttctt 120

002220.03200

cgccccacc gaaaccgcct ccatccgcgc cctcctcccc cgtgacctcg accaacgcgc 180  
cacaacgttc gaggtgctga cgtcatatcgt ctggcgctgc cgcacgacag cgcttcacat 240  
ccctccaaat gaagatgtga gaat 264

<210> 48331  
<211> 158  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701037012H1  
  
<400> 48331

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atagtacgtt aagcgtccat tgatgtagct ttgattaatt tagtgtatgt ttgatacaag 120  
atatttaatt tagagaatta atagttttat ttttatcg 158

<210> 48332  
<211> 261  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701037013H1  
  
<400> 48332

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aattgtcttc tctgctgctg caaccctttc cctcgggtct cggttattat tccctccact 120  
tagtttttct cacacttacc ctacgaaatt tcatcgaaat cggtggcac ccaagtctctc 180  
caaatcgagg acgcagaccc ttattacaaa ctctttgctt tctgataagt ttccaacggg 240  
gggttcgctg tcaacgggac c 261

<210> 48333  
<211> 262  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701037014H1  
  
<400> 48333

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tgaccgatcg aagcttggtt ccaattgttt gttccgtatg ggaggggctg ccattctgct 120  
 ttcaaacaaa ggctctgata ggcgaagatc aaaataccag ctgggtgaca ccgttcgcac 180  
 taataagggt tctgatgaca agtgctttgg ctgcgttgtc caagaggaag attccaatgg 240  
 caagattggg gtcactttgt ca 262

<210> 48334  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037015H1

<400> 48334

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 aaaaatgagt gtatcattga ctgtgatgac cttcaatctc catgatgatg agccacaaga 120  
 cagtcctaatt tcgtgggcga agagcgggat atgtgcataa gcgttattac cagttactca 180  
 cccatcatcc tctgtaccca acaaggcgtg aaagcacaat tggattttct ccagcagggt 240  
 ttgccagggt atgatcaatt tgggat 266

<210> 48335  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037016H1

<400> 48335

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 gggaagaatc tgggtggtgct gctgtgcagg ttgtttctgg tggaactctt tttgcgttat 120  
 gatacgtttg agtttgagta tacgcggctg ggtttggtcc tactattacc attaagtccc 180  
 tcactaaggc ctctaccatc tgagtttggg gtttattatc ttccttggtg cagcgtgggt 240  
 ttagcttaat ttttaacaaa atgtat 266

<210> 48336  
 <211> 135  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037018H1

<400> 48336

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tgggctcttc gaattcgggtt cccgatttcc gacgagttct atcattcact tcaatcttcg 120  
gaaatgcctc tcaga 135

<210> 48337

<211> 146

<212> DNA

<213> Glycine max

<223> Clone ID: 701037019H1

<400> 48337

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gttttggttt gtggatctat tggtgtcgct gcgatggatc gcaagagggg aaggcatgaa 120  
gctgccttca atttcaatgg cggcgc 146

<210> 48338

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701037020H1

<400> 48338

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atcgtgatgg caccaaaggc agagaagaag ccagcagaga agaagccgcg ggaggagaag 120  
aaatcgacgg tgggagacaa ggctccggcg gagaagaagc caaaggccgg aaagaagctt 180  
ccgaaggagg gaggcgccgg cggagaaggg aagaagaaga agagaaacaa gaagagcgtg 240  
gagacataca agatctacat cttc 264

<210> 48339

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701037021H1



<400> 48339

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 gatgcgaggc cacgattgga tcaaacgctg ctccccgacg agttactcat tgagatcttc 180  
 cgccgcctgg actctaagtc caaccgacg gccagctccc tcgtctgcac gcggtggctc 240  
 cgccctcgagc gctcacacg cgccg 265

<210> 48340

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701037022H1

<400> 48340

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 tcagacccaa gaggagcttc ttgcgcaaca cctcgaacag caaaagatcc atgatgggtga 120  
 acctgttgtc gaggatgatg atgatgagga agaggatgat gatgatgatg atgatgagga 180  
 tgatgaccat gccgaaggac tagaagggtga tgcattctggg aggtcgaagc agaccagaag 240  
 tgaaaagaag agtcgcaagg caa 263

<210> 48341

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701037024H1

<400> 48341

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 cctacaatga tgagaggaca tttaaagacc agaaaccaca agaagacaaa gaggaatcat 120  
 cctcaggaca ttcaaaatgc attcctcgat caattaaggc ttcattgacc aagcatcccc 180  
 gaagtgaatc catgagatct cctgtctctg acgtaccaca gaactcatca gatagaattg 240  
 atggctcagg catatcccct gtaa 264

<210> 48342  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037025H1

<400> 48342

acgcaattca caaatcacaa atcaaaaatc aaaaatcaca aaggtctttt catttctgct 60  
 gattatcctc ttcagccgcc atggaatcgg aggctgtctt gaacctcttc gattcttgct 120  
 ggtttgaggt taacattttg aagacaaatt caagtcctca catatcaatt acaagttata 180  
 acgaaagttt agattatgag ataaacgacg aagaagacga cgaagaacca aagctaccct 240  
 tgatccgaac cagccacacc a 261

<210> 48343  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037026H1

<400> 48343

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 ttgttttctt attcttgga attcttaact gtgaagcaca atatttcaat gcccaacccat 120  
 acgactatctt acaactagcc ttaaggtggc ctaattccta ttgcttgaca catgaagggtg 180  
 gttgcagggc aatagtacca caatatttca ctattagcta ccttcacccc atgagaagcg 240  
 gaggccctga tctgcgacat t 261

<210> 48344  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701036991H1

<400> 48344

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 atcgccaccg tcgcccgcag taaaaccagc cgctccactc cctccccggc ggtggtacta 120  
 gcaactctcc ctcgcccggga actaaccaag actaaggaag tagagtgaga acccgcggaag 180

actcttagct tcactttctt cagctcacag ttctatcac ttgccgaatc caatccaaca 240  
gagtcctgga aacagtggca tcagctttcg ccccatgggt gtt 283

<210> 48345  
<211> 290  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036964H1

<400> 48345

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atagcaccgc caccgtcacc actgccactg ccactagcaa cagcagaatg ggaaccttgg 120  
gcagagtttt ctacgccgtc ggatttttga tccgcgagac cggccaagcc atcgatcgcc 180  
tcggctctcg tctccaaggc aactacctct ttcaagaaca gctgtctagg catcgacctc 240  
tgatgaatct gttcgacaaa gtcacctcgg ttcacaggga tgcattgtgg 290

<210> 48346  
<211> 147  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036965H1

<400> 48346

gaattgtgcc tatataaaca gtaccgaaac ctcaaagaaa gcacacatca ttagaagtga 60  
atttacaag aaattcaaaa gcaaagcaag aatcatgaat tccaatattt gcaattggaa 120  
acaaaatcag gttcttccca cagagga 147

<210> 48347  
<211> 292  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036966H1

<400> 48347

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tgcacattgc tgaaactggc atcgctcgcc atttgcgcaa agatcccaac aacaacacca 120

ttcgaaagtt gaaactgaaa aacaccaatc cctcctcgta cgaggtttcc ttgttccgtc 180  
atcaattctc gtgtttaagg acacagtttg cttgatacgt tttcaagttt tcattctccat 240  
gttttgattt tgaagaataa ggagtatgca attgactact acagatgtgg tt 292

<210> 48348  
<211> 290  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036967H1

<400> 48348

atacaaacca cccgtttata agccaccagt ttacaagcca ccagtgtaca agccaccagt 60  
tgagaagcca ccagtgtaca agcctccagt gtacaagcca ccagtataca aaccaccagt 120  
ttataagcct ccagttgaga aacctcctat ttacaagcca ccagtttaca agcctcctat 180  
agagaagcca ccagtgtaca agccaccagt gtacaaacca ccagtgtaca aaccaccggt 240  
gtacaagccc cctgttaaga aacctcctat ttacaaacca ccttacccaa 290

<210> 48349  
<211> 284  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036968H1

<400> 48349

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gatcgatttg gcgtcgtagc agtttcatag tgacgttga ctctgaaaac ggcgcgtttt 120  
gagatttggc ttttcgcgtg cgttgtcgaa gagagagaaa ccaaaaaatg aatgggattg 180  
gtaacgacgg aggaggagga ttgagcaacg tggagatgga gtacataaga agacaccaca 240  
ggcacgatcc tggtgagaat cagtgtggct ctgcgctcgt taag 284

<210> 48350  
<211> 284  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036969H1

<400> 48350

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gctgtagagt aagaaaggtg aggcccttga ggagagccct taagggtctc aaagcatgga 120  
ttactggaca gagaaaagac cagtctcctg gtactaggtc tgaaatccct attgtccagg 180  
ttgatcccggt ttttgaggga ctggatgggtg gaattggcag cctgggtgaag tggaacccgg 240  
ttgcaaattgt taatggtcta gacatatgga acttccttag gacc 284

<210> 48351

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 701036970H1

<400> 48351

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atcacccttc ttttgcata tttatatctc ttgagaaatg gcacaagaaa cctttctatt 120  
cacatctgaa tctgtaaagc agggtcaccc cgacaagctg tgccgaccaga tctctgatgc 180  
agtacttgat gcgtgccttg aacaggaccc tgacagcaag gttgcctgtg agacatgcac 240  
taagaccaac atgggtcatgg tcttcggaga gatcacaacc aaggc 285

<210> 48352

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 701036971H1

<400> 48352

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ctcgttgaac aagtctcaac taagaacaga tggaggccat ctacttggcc acaatatgac 120  
ttctggcagt acttcaatac taggaggact cccaatacat ggtgggatga gtactctttt 180  
gaggtcaaatt ctgattacca gttctgggtc aaaatcttcc caagcatcca cagctgattt 240  
ttctggagta ggagttggaa ttggacctca aaattgtgat tcttca 286

0953113.032200

<210> 48353  
<211> 285  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036972H1

<400> 48353

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gcatggcacc tcccaccatg ggccagcagc cgcagcaaca gtaccagcag cagcctccgc 120  
cgcagcagca acaaccctac gtcatgatgc cgccgcagca tcaggcgccg cagcctatgt 180  
gggccccatc cgcccagcct ccgctgccgc agcagcctgc tagcgccgac gaggtccgaa 240  
ccctctggat cggggatctg cagtactgga tggacgagaa ctatc 285

<210> 48354  
<211> 282  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036973H1

<400> 48354

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gccgatttgg tgttttactt cagagaaatca aggattgtga atgagaaatg gtttatttgt 120  
tttctactcc tgaggtttga tgctcattag tcggtattta tttcgtttag gtattatatt 180  
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ccatcgactg ggtccaagag gcacttgaat atcaagttac at 282

<210> 48355  
<211> 282  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036974H1

<400> 48355

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agatctcatc aaccttaacc tctcagacac tactgagaag gtgatcgag agtacatatg 120  
gatcggtgga tcaggaatgg acctgaggag caaagcaagg actctcccag gaccagttag 180

cgacccttca aagcttccca agtggaaacta tgatggttcc agcacaggcc aagctcctgg 240  
agaagacagt gaagtgatta tatacccaca agccattttc ag 282

<210> 48356  
<211> 279  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036976H1

<400> 48356

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ctcacctgaa aatgtcttgc tgcggtggtg actgtggttg cggaagcgcc tgcaagtgcg 120  
gcaacggctg cggaggctgc aagatgtacc cagacttgag ctacaccgag tcaaccacca 180  
ccgagacctt ggtcatggga gtggcaccag ttaaggctca attcgagagt gctgaaatgg 240  
gtgttcccg c tgagaacgat ggctgcaa at gtggagcta 279

<210> 48357  
<211> 285  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036978H1

<400> 48357

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agaccaattc ctgctcttga caacttttcc acgcacacct tcatctccca atcctccacc 120  
acaaacatga agactcgtac ctcgacaaa atctctgcaa cgtggattcc aattttctct 180  
gtcttttctt tcatatttgg tatgctcgtc acaagcagga tgtgggaccc accggaatca 240  
aacgggttgc ttactgcgca catcagcggg accaacaaca gctac 285

<210> 48358  
<211> 143  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036979H1

<400> 48358

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 aggttgagag gggaacctct atc 143

<210> 48359  
 <211> 287  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701036980H1  
 <400> 48359

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 ggtgctccct tcggcggcgc gtgacgggtt ccagcggcgc gtgaggggtg tattcgcgcg 120  
 ttattccaag ttccccgctg acctatgctc tgtccgaccc acattggaga gttcacgccg 180  
 gagagaaggc ggaatctcac tggacggccg tgatttgga cctccatggc ttccgccgctc 240  
 cttgctaate ggaacgaacc taattggcaa cggcatagag gcggtgg 287

<210> 48360  
 <211> 284  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701036982H1  
 <400> 48360

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 gaatagggtg aatgaatttc tggcaggtgc tggaacagac gccccagaag ttgatgaaga 120  
 gaatatgatc tctaggcctt cagttagcta tgatgatatg tgggcaaaaa cacttctaga 180  
 atcttctgag ctagaggaag atgatgcaaa gtcattggga tcatcatctc cagattcaac 240  
 aggatcagtt gcaacttcga tatcatccca ctttgaggga atga 284

<210> 48361  
 <211> 287  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701036983H1



<400> 48361

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ctatctcccc aagatgtcga gcgccgatcc cgagcacaga gaagaggagg aggcacccgc 120  
cgttggcgac gacgaggaca ccggagctca cgtcgctcca atcgtcaagc tcgaggaggt 180  
tgctgtcacc accggcgagg aggacgaaga tgcaatcctg gatctcaa at cgaagcttta 240  
ccggttcgac aaggacggga accagtggaa ggagcgtggc gccggca 287

<210> 48362

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701036984H1

<400> 48362

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atagaacctt cttaaggcta atcaatgata taattttgga aactgacaag acaattgaag 120  
ttagaggctg ttccctttga cttgtgccat tccttctctc aataaacttc tattgatgcc 180  
ccgctccacg ttccattctt cagtatcctt tgtagtttga accttctca cactccact 240  
tcagaaacca atcaaagaga gagagagaga gagatgggta gagc 284

<210> 48363

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701036985H1

<400> 48363

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atgaagggat accctcatcc ttcatcagc agcaaagggg ctttcgaatg gaccatcaac 120  
aagatcggtc gcaacaacgt ctctgccttc aaccttcttt ttcttcacgt tcaagtcacc 180  
gatgaagatg gttttaatga catggatagt atctacgc at cgctgacga ttttaagaac 240  
atgaatcaga gagatagaat tagaggggtt catctgatgg aa 282

<210> 48364  
 <211> 138  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701036986H1  
  
 <400> 48364  
  
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 tacaagattt gtatagtc 138

<210> 48365  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701036987H1  
  
 <400> 48365  
  
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 gtgctcctat ttggaacaac aactcctctt taaccggttg agctagaggt ccaattctgc 180  
 tggaggatta tcatcttggtg gagaagcttg caaatTTTga tagggaacgt atcccagaac 240  
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<210> 48366  
 <211> 279  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701036989H1  
  
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 agcactcaat attgctgaga aaggctttcc catttctggt tataaccgaa ccaattccaa 180  
 ggttgatgag actgtagaac gagcaaaaca agaaggaaat cttccagttt atggctacca 240  
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<210> 48367  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701036990H1

<400> 48367

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 agagccaaga cgacggcaag gactaccagg agccggcgcc ggcgccactg gttgaccgca 180  
 cggagtttac gtcattgtcc ttttacagag cagggatagc agagtttgtg gccacttttc 240  
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<210> 48368  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701036963H1

<400> 48368

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 cgccaaccgc ctcacgcgcc gtccaagacc tgccggcgtc gctggacgtc ggtgcgtcgg 180  
 tggcgagga gtcgcttgag tccgtcggcc aagccatcga tgacatggca gcaccgtttg 240  
 gaatcgacag cgagatactc tcacggtagg atctctct 278

<210> 48369  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701036937H1

<400> 48369

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 ttctacccta aaccattgaa tcgatctaaa tctctcccaa atcgcaaacc ccttttgctc 120

aattcagtca attctctccc taagttccgc tgcggcgtc taggttttgg agcatacgac 180  
 aaaaacttgg gtgagggaga acgtttccag cttgggacgg tgggcgcgtt gactctttct 240  
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<210> 48370  
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 <213> Glycine max

<223> Clone ID: 701036938H1

<400> 48370

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 ggggcacgtc acccatctcg cccttcccct cgctcatctc aaatccatgc ttcggaatta 180  
 gggtttccat tcggatttgc taagtctggt gcccaatttc gtgactccga gcgacgtaaa 240  
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<210> 48371  
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 <213> Glycine max

<223> Clone ID: 701036939H1

<400> 48371

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 ctatatcaga aggaaacgcg aaaaaagaaa aaaaaaaaag aggcagaagg ttctagaagc 180  
 cgccaatttt tatttctttt aatttgtctg agtcagagac gttcgtgatt gtaaccatgg 240  
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<210> 48372  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701036940H1

<400> 48372

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acagatgtgg cgttaacgtt ttaccatatg aactgcttat accaagttct gaacgtgggg 120

caacaggacg aggagtgcc aatagtgtta cagcctagtc caatatgtgt acaaaccagc 180

aactgaatca atgttctatt attcttcacc ttagctggac taaaatggat ttaatatattg 240

atctcctaaa aacaagaaag aaaataaaat gcaaaagga ataatgc 287

<210> 48373

<211> 289

<212> DNA

<213> Glycine max

<223> Clone ID: 701036941H1

<400> 48373

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tcaaagccaa aaaatgtcaa ccaccattga tgtcccagaa tcaagcaatg ttgctaaaga 120

aaaagtagtt ttagctgcac cctcaaggtc tggagggtgg aagaaagggg tagcaataat 180

ggactttatt ctaaggttag gtgccatagc agctgctctt ggtgctgctg ccacaatggg 240

aaccagtgat caaacactcc ctttctttac tcagttcttt cagtttgaa 289

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<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701036942H1

<400> 48374

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cagctatttg ccacatggac acctctaagt gggaccgaga ccacgtgtcc tttcgtgtgc 120

tcaaagttga gccgggaacc tcacctgtgt gtcatttctt ccctcctgat aatctagtct 180

gggtgccttt gcctctggct ccataactat agtctatagt ttcattgttct tcttcatcaa 240

agtttgttat atatatatat atgtgccagg tataacataa gtt 283

<210> 48375  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701036943H1  
  
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 aaagaagact gggaagggaa agagacctgg aaaaggtggg aaccgctttt ggaagtccat 180  
 tgggctttca ttttaagactc ccagggaagc catcgaagga acctatattg acaagaagtg 240  
 ccccttcact ggcaatgtct ccatccgtgg ccgtatcttg gctg 284

<210> 48376  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701036944H1  
  
 <400> 48376  
  
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 tggctagctt tgaccaaagg actgcaaattg aaactactgaa gcagattagg cagcactctt 180  
 caccttttgg cgatggactt cagcgttttg ctcattactt cgccgatggc ctcgagaaac 240  
 ggtagctgc tgggacacca aagttcattt cttttcagtc agca 284

<210> 48377  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701036945H1  
  
 <400> 48377  
  
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 aaggaagttg gtcaggacag aggagctctc gttgagttct atgctccttg gtgtggacac 180

tgcaaaaagc ttgctccaga atatgaaaag cttggttagca gcttcaagaa agccaaatct 240  
gttttaattg gcaagggttga ctgtgatgag cataagagtt tgtgc 285

<210> 48378  
<211> 284  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036946H1

<400> 48378

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actatgactt atgttaaata tgttaaactg aaaaccatgt gaatggagag atctacagta 180  
acatattctt ttttatgctt ttatttacta atctcaccaa ttcaactgct ataaactatg 240  
acttatgtta aatatgttac actgaaaacc aggtgaatgg agag 284

<210> 48379  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701036947H1

<400> 48379

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cccagattcc ccaactctcg attcctccga gcaggtctac atctcctcac tcgctctcct 180  
caagatgctg aagcacggaa gggctgggggt tcccatggaa gtgatgggtt tgatgcttgg 240  
agaattcgtg gacgagtaca cgttcgtgt ggttgatgtc ttcgcaatg 289

<210> 48380  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701036948H1

<400> 48380

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cgaccggaag cgggacggcg gcgacaagaa ggagaagaag ttcgagccgt cggctccgcc 180  
ggcgcgcggtg gggcggaac agcggaagca gaaaggtccg gaggccgcgg cgcggttgcc 240  
gacagtgact ccggtgacga agtgcaaact gcggcttctc aagctgga 288

<210> 48381  
<211> 292  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036949H1

<400> 48381

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tcagcaacc gccacctccg ttctacggcg tcctcaacc accaccccct catccggaga 180  
cccacgtgtt ccattccgt cacgtgacac caggacacgt gtcccatgac ttcaacaact 240  
actccgtcc cccgcctcca accccttccc accatcatca tgatcgat ca 292

<210> 48382  
<211> 282  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036950H1

<400> 48382

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aagaagcaga cacctatcag cagccagtcc caggacactt ctgttgaacg cttatacgg 120  
gaggtgacca gtgaaaagtt ttggcatcac ccaggatatca agtaattgta ttattaccat 180  
tagtgtagat gtataatgtt attgataagc tttatggtct ctttgcattt tgaattaaaa 240  
aacaaaaaca aaaaaagaaa agaaaaaaaa acaaaaaaag aa 282

<210> 48383  
<211> 98



<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701036951H1  
 <400> 48383  
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<210> 48384  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701036952H1  
 <400> 48384  
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 atagacagtc attcaaatac caacatttgg atgaataaat attcttttca tgtgctgcat 180  
 atctgtcatc cgatttaagc gatggcatga ttgggcacaa tggactttt ggttcaatgt 240  
 tcactataa gcttggctctg gctctttctc c 271

<210> 48385  
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 <223> Clone ID: 701036953H1  
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 gcaaaaattc tggcacagaa cgggtgttact gtcacagtgg tcacaacca ccaaaacgca 180  
 tcacgcttca catcaacttt ttctaattcc caaatccgat tactcgaagt tcaattccca 240  
 taccaagaag caggggttgc agaagggtgt gagaatctcg acatgttacc ttcacttggc 300  
 ac 302

<210> 48386  
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<223> Clone ID: 701036955H1

<400> 48386

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 tcagcttcag gggcgtggat ctggacgcgc ttctggacat gtccaccgac gaactggtga 180  
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 ccttgattaa gaagctccgc aaagctaaaa gggaagcacc ag 282

<210> 48387  
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<223> Clone ID: 701036958H1

<400> 48387

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 cttcttcttc taccagtggg ccttcgccat cgccgccgca cgaatcacca gcgggtccat 180  
 cgccgagaga acacagttcg tggttacct tatctactct tctttcttaa ccgggtttcgt 240  
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<210> 48388  
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 <213> Glycine max

<223> Clone ID: 701036959H1

<400> 48388

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 ctgtgtctct gttgtttctt ggtccctgca tcttggtccc ggaagcccc acctcttcca 180

atTTTgcccc tcccaacgac tttccagctc caatggcaac ttgacggcat ggcctcttc 240  
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<210> 48389  
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<223> Clone ID: 701036960H1

<400> 48389

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 accatgctat tcttacataa ctaggggttag gagttagggc gttcttatcg ttttcgctcc 180  
 gttaattaca acaacggcca acatggttgt tctttcgctt tcacctcca gcctctctac 240  
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<210> 48390  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701036962H1

<400> 48390

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 cgtatacata agcattccct ctcgttaatt tcattagcat atcacacaaa tcccactctt 180  
 actcctttgc cacgtacgcc accgctgac aattcaggcg atggcgccgc gtctctggctc 240  
 ctgcttccgc agcagcagta gcaagggcag caccaccggc ggcggtgt 288

<210> 48391  
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 <212> DNA  
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<223> Clone ID: 701036936H1

<400> 48391

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 accaaccaca accacaacca caaccacagc cacaagaaca acacaaccac caccaccgcc 180  
 aacaaccaca ccaagagctg gtactcggtc ccagaaacgg aaacgcttat aggtctcggt 240  
 ctcagtttca gtatgttgcg aagaatcgga acgattccga aactcgccgc cgcgcaacca 300  
 aggttgagg 309

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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701036914H1  
 <400> 48392

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 cagccatgga gattataaaa gatgcctgtg agaactgggg tttctttgag ttggtgaacc 180  
 atgggatatc cattgagttg atggacactg tggagaggct caaaaagag cactacaaga 240  
 agactatgga gcaaagggtc aaagaaatgg tggccagcaa agggcttgag t 291

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 ttcacatatt attggtgttc ttattatatt gttatatgtg gtgggtgact tgagttattg 180  
 gacatctctg caatttgaag gactctttca tgtgattggg gaaaatatat atgttggcca 240  
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 cgtctcatcg cagcgggaacc gattgggtcct cgctgttggt gtcgctggaa gatagtaaac 240  
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 <212> DNA  
 <213> Glycine max  
  
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 gctatggatc agctgttcag aactgtttgg ctgcagcttc cttagtggaa catcatggtt 180  
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 <212> DNA  
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 <223> Clone ID: 701036919H1  
  
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tggtccaag tcggcgacga cctcaaccac cgcaacctca cggatttggc caaaaaattc 240  
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<223> Clone ID: 701036920H1

<400> 48397

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 gaccctggtc gcggtgctcc tctagccaag gtggcggttc gccacccctt ccgctacaag 240  
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<210> 48398  
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<223> Clone ID: 701036921H1

<400> 48398

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 accagcatag caccaagctt ctcaatctca ctgttcttca acgaatcgac ccttttgctg 180  
 aggaaattct catcaccgct gcgcatgtca ccttctacga gttcaacatc gacctcagcc 240  
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 <213> Glycine max

<223> Clone ID: 701036922H1

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 ctactaccc gactgcttcc atggtggctt ctggcacgcc cgctgtaact gtccttccc 240  
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<210> 48400  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701036923H1

<400> 48400

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 ttcaatgcgg ggtttcctac gacacgatca ccgtcctcaa cgcgttcctt caccgcccac 180  
 aagcctttac tgagggtctt ctttatcatg gaaatgacac cttatttgag tcaactggcc 240  
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<210> 48401  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701036924H1

<400> 48401

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 tagttgaatc tttaaact tggatattgg aggcactctgg acttccaata attcaaata 180  
 tggaatgcat tagaaggcag ctaatgactt ggtttaatga gcgccgggag accagtatgc 240  
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<210> 48402  
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<212> DNA  
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 <223> Clone ID: 701036925H1  
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 caaaattaaa acatgactat ggaagagcgg cagggtcgag aacgaggact acacacaaga 180  
 tgggtactgtc aacattaaag ggaaacctat tcttagatcc aaaagtgggtg gttggaaagc 240  
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<210> 48403  
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 <223> Clone ID: 701036926H1  
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 agtggaagag tttctttcta ttgaggaaag gtatttattg ctctctactt aggtaacata 180  
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<210> 48404  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701036927H1  
 <400> 48404

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 ggaggaggag gacgtctcgc tgggaatggg agatctgctg ttggttcaat tccttaccca 180  
 aggatgtacg gtgaaattga tatggagacc caaattcatc agcttgagca agaagcatac 240



agttcagttc taagagcctt taaagctcaa gccgatgccca ttacttgg 288

<210> 48405  
<211> 283  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036928H1

<400> 48405

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gacaacgtaa aagctaagat tcaagacaag gaagggatcc cacctgacca gcagagactt 180  
atctttgcgg gtaaacaact tgaggatggt cgcacccttg ccgattacaa catccaaaag 240  
gaatcaaccc tccatctcgt gcttcgcctc aggggtggca tgc 283

<210> 48406  
<211> 289  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036929H1

<400> 48406

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tccttccttt tctttttctca atttcctgta tcatcacaat tttcttcact cctcaatttc 180  
aataatcctc catgaacccc ctctagcccc tctctcctt ccttctcttc aacaagaaac 240  
tgactgaata tggagaaaca ttctgggaat tcttcatcag ctcatgctg 289

<210> 48407  
<211> 283  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036930H1

<400> 48407

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tcaccgacga ccagatcgcc gagttcaagg aggccttcag cctcttcgac aaggacggcg 120  
atgggtgtat tactactaag gaacttgga ctgtgatgc gtcactaggg caaaacccaa 180  
ctgaggcaga actgcaggat atgattaatg aggttgatgc tgatggcaat ggaaccatcg 240  
acttcccaga gttcctcaac ctgatggctc gcaagatgaa aga 283

<210> 48408  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701036931H1

<400> 48408

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aatatagtag caaaaaaatg agaaagataa agaacaaaaa acttctagtc atagtgtagc 180  
tgTtaaaatc gagtttattt ctattacaaa ttgtattctg tcatggcata gggaagaaga 240  
aactactagt gacatctatt gtaaactgtg tcaccaagta aaccagtgc ttg 293

<210> 48409  
<211> 291  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036932H1

<400> 48409

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gttctgaact gttaacaagt ttggaaaact ttgtgcagtg cagtgtgtta agatggaagc 180  
tatgttcac ttcagaagca gtcattgaaa ccagaaattg aagatttgaa gtgatttctt 240  
cttagaaaatc agaatactag aaaatactag cacagaaata atgtgggatt t 291

<210> 48410  
<211> 294  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036933H1

<400> 48410

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 aagtcgaaac actcgttcga ttcgctgaac tctgaagtta atttctgttg cgaaaatgtc 120  
 ggtggcgaag aagttgatta gatgcgtcat ccttgacttg gacggcacgc tgctcaacac 180  
 acttggcatc gtaggcaacg ttttgaaggt tatgttaggt aaatacggaa aggaatggga 240  
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<210> 48411

<211> 295

<212> DNA

<213> Glycine max

<223> Clone ID: 701036934H1

<400> 48411

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 gtcaccgaga aaatgggtgt ttgtgggtcg aggcccaaag tgaacgagga cctctcagcg 180  
 aagaagaaga acaaccacca ccgaagaaga agaaggagaa tcctcagaag acgcgtctct 240  
 tctagaaaga tcgaagctaa caacgtttct cactgtaatt cagctcttca agctt 295

<210> 48412

<211> 289

<212> DNA

<213> Glycine max

<223> Clone ID: 701036935H1

<400> 48412

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 ttttggtggt ggtgttggtg ttgaattgag ttgagaagaa aagaagaggt catagacaca 180  
 cacacaagac atgtctgctg ttgagtcagc tgaacacaac aacatcagag gagtaccaac 240  
 tcatgggtgga cgctatgttc agtacaatat ctatggcaat ctcttcgaa 289

<210> 48413  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701036913H1

<400> 48413

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 aattcacaaa cgcgtccctc tacggctcta cctattagct atcttctttg tgctgtgatt 120  
 gaacattaat ttgtgatagc tcaccatggc cattgctact tgtgatcatg ataagaacgc 180  
 aaaggctttg cagttcattg aggatatgac caaaaacact gaaagtgtcc aagagagggg 240  
 ccttgctgag attctcagcc aaaactccca gaccgaatac ctg 283

<210> 48414  
 <211> 301  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701036901H1

<400> 48414

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 tcaccgccga gtccatgagc acgccagcgc tttcaggggg cacgggcctc ttctctggat 180  
 tcacgcgttt atgcaagggc cttgcgggtg tgcttgtttg cggtcacatt gcggttcagt 240  
 ttatcccttc agctgttaac tatcttgctc ttattccgcg caggacaatc ccatttgcct 300  
 g 301

<210> 48415  
 <211> 297  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701036902H1

<400> 48415

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agttccactc ccttccccta tgttttttcc ttctcttggc cttcaacaca aaacccctcc 120  
tagcagcaga accagagcca gtggttgata agcaaggga ccctttggag ccaggagtag 180  
ggtactacgt gtggccactt tgggctgatg aaggaggcct cacactaggc caaacaagga 240  
acaagacatg ccctctttat gttatccgtg acccttcatt cattggcacc ccagttt 297

<210> 48416  
<211> 296  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036903H1

<400> 48416

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tgagagaccat tgaactccaa attgggctga aaaactatga tccccagaag gacaagcggt 180  
ttactggctc tgtaagtgtg cctcacattc ctgcgcccaa gatgaagatt tgtatgcttg 240  
gagatgcccc acacgttgaa gaggctgaga agataggatt ggactacatg gatgtc 296

<210> 48417  
<211> 286  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036904H1

<400> 48417

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agagatgaaa ccagaaacat ctctgaactt tactttgatg ctgactttct tactttatct 120  
gaacttggtt atgggagtgc tgagcggtga tcattatcgc agagttgact ttctgatga 180  
attcgttttt ggttcaggca cctctgctta tcagggtgaa ggagcttcta acgaagatgg 240  
gagaactcct agcatctggg atacctttgc ccatgcggtg tatgag 286

<210> 48418  
<211> 293  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701036905H1

<400> 48418

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 ttcactttgt cactgctaata ggcatttttg ctggggaaac ggcgctcttc gcaaaacgaa 120  
 ttggcaaaac ggcgcagaga caaatcgcca gaaggcattg aattggagga gaatccccgag 180  
 gtgttcaaaa gttctttgct gaaggactcc aaagaacaca tcatcagtac gtactttcct 240  
 gatgtgcgca cacttttcga tgctttccaa cgcggtctca aagctgccga aca 293

<210> 48419

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 701036906H1

<400> 48419

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 atcaacaggg acatatttgc tactgaagag atgtctcctg cttccaaatc taagtctaaa 180  
 gacaaaaatg ctggcaagga agctcaaaag tcttctgcca agtcttcagg atctggtaat 240  
 gccgtggctg gtgtaccagc tagtgcatac aatcctttat cgggaa 286

<210> 48420

<211> 289

<212> DNA

<213> Glycine max

<223> Clone ID: 701036907H1

<400> 48420

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 gagcaagatt ctgttcatcg gagggactgg ttacatcgga aaattcatcg tggaagccag 120  
 cgccaaagct ggccacccaa ctttctttt ggtgagggag tccactctct ccaaccccg 180  
 aaaatcatcc ctcatcgaca atttcaaagg cctcgggtgc aatcttgttt tcggagatct 240  
 atacgatcac caaagtttgg tgagtgtat aaagcaggtc gatgtggtg 289

<210> 48421  
 <211> 105  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701036908H1

<400> 48421

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caacttaaaa ttattatgga tcacattcat gggttacgtt gtttt 105

<210> 48422  
 <211> 288  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701036909H1

<400> 48422

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agtaagatat atcatcaaaa atgggttttgt cttggactag aagaaacgtt ttccgcctg 120

caaagaagga gaaggaacaa agtcaactat tagaagttga ggttgatgatt cccaaacact 180

ttcgctgtcc ggtgagtttg gagctgatga cagatccggt gactttatca accggcatta 240

cctacgaccg tgtgagcatc gagaagtgga tcgagggaga taacagaa 288

<210> 48423  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701036910H1

<400> 48423

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gttcttgaca gagtcacccc caaaacaagc ctaaatacgcc ttcttcctct ttccttcttc 120

ttttt 125

<210> 48424

<211> 288  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701036911H1  
  
 <400> 48424  
  
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 aagaacttcg cctacttccg cgtcaattac ctaaccctaa tcgtggtggc gctcgcggtc 180  
 tcgctcatca cgcacccgtt ctcgctattc gtctctctcg gtctcctcgc gtcgtgggtc 240  
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<210> 48425  
 <211> 287  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701036912H1  
  
 <400> 48425  
  
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 atggtacgtt cttggcgagg atcaacaaca gattggccct tacgccttct ctgagttgtg 120  
 ccagcatttc ttgaatggat acctctccga aaatacgttt gtgtggtctg aaggaagtag 180  
 tgagtggcag cccttgtcct cggtttctga cctgtgggct caaattaacc ggcagggacc 240  
 tgattcttca actactgtgt ctgctcctga tgttgatgag tttgaaa 287

<210> 48426  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700967070H1  
  
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 ctccaaccca gaaccaccca aaccgcgcga gccacagcaa cagaaccatg agactgttga 120  
 actcgaccaa cagcaaccca tccccgaacc aaccctagaa gactccaaca ccatggccat 180



cgacgaacca aaacatgaac aagaagcaga accgcaaac gccgagagcg aacaagaggt 240  
agaggaaga 249

<210> 48427  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967071H1

<400> 48427

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ttccacctcg gataaaattg ctgttagaat tggtagagaga cttctgcaaa acagggtttct 120  
ttattgcaac ggtcaattat ttgatatacg ctgtgctgca aatgttatta acaccatggg 180  
tcagcatgct ctgggaactg taagggaaat agtcaataag attcgtcaaa ctattggtta 240  
cattaata 247

<210> 48428  
<211> 72  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967072H1

<400> 48428

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ttctacagtg ga 72

<210> 48429  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967074H1

<400> 48429

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tcaactttct tcttctgtg tttgtatttg ctaatagctc ccatcaaagg cccaaaaatg 120  
ggtaccatcg ttgaagcaga taacacatat accaagatcc taggaagatg gccagtcttt 180

002220"ETTESO

tattatggca tgggacacat gctcaatgac ataactgctg cttgttggtt cacatattta 240  
ttattggt 248

<210> 48430  
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<212> DNA  
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<223> Clone ID: 700967076H1

<400> 48430

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accttacgca gccatggcca ctgctacgaa tgccgccgcc gccccaccac gccagctctc 120  
ccagaaggaa gctgacatcc agatgatggt ggccgccgac gtccacctcg gcaccaagaa 180  
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taaccttggg 250

<210> 48431  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967077H1

<400> 48431

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attagaatcg gataccctta aagaagcgga gataggagtg tgcgcctcca aaccaaggg 180  
gcttcggagg ggctcttcat cggaggcggg gctatattcc cctccggatt cccccaccat 240  
gaagagcct 249

<210> 48432  
<211> 250  
<212> DNA  
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<223> Clone ID: 700967079H1

<400> 48432

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agatctctca tcttttcatt ctgaaatcca tttggagccg cactcaggaa tcagctacag 180  
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gttttgatga 250

<210> 48433  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700967080H1

<400> 48433

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gagtctttgc ctcttggcat tgattgcac aactcatgcc caacttcagc ttgggttttta 180  
tgcccagagc tgcccaaaag ctgagaaaat cattttgaaa tttgttcatg agcatatcca 240  
caatgctcca tcactag 257

<210> 48434  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967081H1

<400> 48434

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ccaattagca ttgcttctcc tctgtttgga tctgggaata gcgcatcagc atcagggtca 180  
ctccccctcc cattctgggt tctgtgcttc cgatgcccat aatcactgcg gtgatgacca 240  
tcatcatga 249

<210> 48435  
<211> 247  
<212> DNA

002220"CTT560

<213> Glycine max

<223> Clone ID: 700967082H1

<400> 48435

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cctcggttac atggagaagg atgaggtgcg ccgccacgac tccttccacg ccttcgagga 120  
gaattgcgcc gtcgccgagc gccaccgcgt cgacttcgtc ctctcggcg gcgacctctt 180  
ccacgagaac aagccctcac gctccacgct cgtcaaggcc atcgagattc tccggcgcta 240  
ctgcttc 247

<210> 48436

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700967085H1

<400> 48436

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ctctggcatg tcaagattcc tgtatacgaa caattttcaa cgaaacttga tttcgtctgg 180  
tggcaatgaa tcgtattatg ggtattttaa caggagatca tacacttcac tttatatggg 240  
aactgg 246

<210> 48437

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700967086H1

<400> 48437

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gtaactaact tgttccctcg ttaaccctaa tcatcaactc aagcagtga tgaatctgtg 120  
gacggacgag aactcctcgg tgatggaggc cttcatgtcg tctccgac tctcctcaat 180  
ctggccctcg acggcaccgc cgcaatccac ggcggtcttg aatcaggaca ccctcgatga 240

t

241

<210> 48438  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967087H1

<400> 48438

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 acatggaaat gttgatcgag agagtcaaga gagacagaaa tatatggtga gaaaggctga 180  
 taagacctca tggaagagga aacgaagtat ggaaaacgct ggaagaagac taggtgtgac 240  
 ct 242

<210> 48439  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967088H1

<400> 48439

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 caagatTTTT gtgtggcagc caaagaaaaa gatggtgtat ttgtgaacgg aaaattttgc 180  
 aaagacccta agcttgtcaa acctgaagat ttcttcctac atgtggaacc cggaacact 240  
 gacaac 246

<210> 48440  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967091H1

<400> 48440

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ctccctccgc cacctctcca tcgccgcctc gcgtcgctc ctctctctg cactccccgt 120  
 cgctccccgc cctatccgc cctcacgc ccgcttcgcc gtcgtccggt gcctctgcaa 180  
 ccgccccgga gactcggcgt actcgccct gaacacggga aagccacct ccatcttgct 240  
 gtcgatca 248

<210> 48441  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967092H1

<400> 48441

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 ttcaatgcct tttttagctt ctctttgtct ctgtctctgt ctcaccacag acgcatcggt 180  
 atctacaaga aaccattccc ctctagacgg acgtggcttt atggatatat gaatagagat 240  
 cgagat 246

<210> 48442  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967093H1

<400> 48442

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 gtgggtgatg ttgcctacgc tcaagattca gcagaagact acgtgaatgc acacaatgca 180  
 gcacgagcag aggtgggttc tcaatcacca agacaaacag tgattgttcc aagtttggct 240  
 tgggatgat 249

<210> 48443  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967094H1

<400> 48443

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 cccatttcgc tagatatcat gaaggatcca gtgacgggtct caacgggcat cacctacgac 180  
 cgtgaaagca tcgaaacctg gctgttctcg aagaaaaaca cgacatgccc cattaccaa 240  
 ctgcccttg 249

<210> 48444

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700967095H1

<400> 48444

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 tggcggttc atcgggtcgc acctctgcga taagctcatg tccgaaacct ctcacaccgt 180  
 cctcgccctc gacgtctaca ggcacaagat caaacacctc ctggatcccg ccgattcccc 240  
 cctc 244

<210> 48445

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700967069H1

<400> 48445

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 cttcttcagt ttctacaact gagtttcata tcttcttctt gttgatgttt atgctgaaga 120  
 ctgaataaaa atctgagtgc ctatggcgat gcaaactgtt tatcttagga agcatgaagg 180  
 aaatgcacac aattttgtgg gcacgtgtc gtctgcagct tcagcaccct ggtggagtgc 240  
 tttt 244

<210> 48446  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700967040H1  
  
 <400> 48446  
  
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 cagtggcgca gatgggcagc aacacgagcg agagcgacgc ggaggagctg gtgatgcggt 120  
 gcctctcgtg cgaggaggag tacgacgtgg acgactcggg aacctgcagg gagtgcctacc 180  
 aggaggccaa cgaggccgag gaggagctcc gccacgagat cgaggagctc aaatccaaag 240  
 tctccttct ca 252

<210> 48447  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700967041H1  
  
 <400> 48447  
  
 attctattcc atcatcaatg gagaacaccg agggatccgg atctgcgacg aacgggggtgc 60  
 tggctccgcc gcgcaagggtg gcattgataa ccggaattac cggacaagac ggttcgtacc 120  
 tgacggaatt cctcctggac aaggggtacg aggtgcacgg cctgatccgc cgctcgtcga 180  
 acttcaacac gcagcgcacg gaccacatat acgtggatcc ccacaacgcc cacaaggccc 240  
 gcatgaagct c 251

<210> 48448  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700967042H1  
  
 <400> 48448  
  
 cggggctacc cgctgagttt aagcatatca ataagcggag gaaaagaaac taacaaggat 60  
 tcccttagta acggcgagcg aaccgggaaa agcccaccat gaaaatcggc cgccctcggc 120



gtccgaattg tagtctggag aagcgtcctc agtggcggac egggcccaag tcccctggaa 180  
 gggggcgcca gagaggggtga gagccccgtc gtgcccggac cctgtcgcac cacgaggcgc 240  
 tgtcggcgag tcgg 254

<210> 48449  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967043H1

<400> 48449

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 ggtcattggc catgtcgact ctgggaagtc aaccaccacc ggtcacctta tctacaagct 120  
 cggaggtatt gacaagcgtg tcatcgagag attcgagaag gaagctgctg agatgaataa 180  
 gaggtctttc aagtatgcct ggggtgcttga caagctcaag gctgagcgtg acagaggaat 240  
 caccattgat attg 254

<210> 48450  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967044H1

<400> 48450

ggtaaaagtg ttgtcccaaa gaaagaccat ctttctcctt tctgtcatca ccgttggaag 60  
 agactgagat gggttcaaaa accaagactt ttacctttga ggaggtggct aagcacaatc 120  
 acaggaagga ttgctggatt atagtcaaag ggaaggtgta tgatgtcacc ccatttttgg 180  
 atgatcatcc aggaggtgat gaagtttttag tgactgcaac agagaaggat gccaccactg 240  
 attttgaaga ta 252

<210> 48451  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967045H1

<400> 48451

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ggaattcccc cggatcagca acgtctcatc ttccgccgaa agcagctcga ggacggccgt 120  
accctcgccg actacaacat ccagaaggag tcaacccttc accttgctct tcgtctccgt 180  
ggtggcatgc agatcttcgt caagactctc actggcaaaa ccataaccct agaggtcgaa 240  
agctctgaca ccattg 256

<210> 48452

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700967046H1

<400> 48452

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tctaattgga atcttcagac gaaatccttc aaatagattt ttatgatacc attgacgaat 120  
ctatcatagg gaagggtttt gacgataaaa tccttggctc cctcaaagtt gcatgtgact 180  
gtgttaaagg atctttaaag caaaggccaa agatggttga tatgcacaaa actataagag 240  
ccatgtggga aggc 254

<210> 48453

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700967048H1

<400> 48453

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gctaccatcg ttagcatcaa ggcccgccag atcttcgaca gtcgtggcaa tccaactgtc 120  
gaggtggatt tgacttgctc cgatggtact tttgccagag ctgctgttcc aagtgggtgca 180  
tccactggga tttatgaggc ccttgaattg agagatggag gatctgacta ccttggaag 240  
ggtgtatcaa aggctgttga c 261

<210> 48454

<211> 252  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700967049H1  
  
 <400> 48454  
  
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 tagatgatgg cacgaaggag aagaatgctg aatctagttt caagcgagat accgaatgag 120  
 caaagcatag ttggcatatg tatcttctaa ttgcgatttt atcttgtctt tgttcatatc 180  
 ttgtaataag ctatagtcct tctatgcggg tgatttacat tgcgcagatg tgtaattggc 240  
 aggagtttcc at 252

<210> 48455  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700967050H1  
  
 <400> 48455  
  
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 cattccatct tgttgacga accctcacct caatttcacc cttattactg atttcttttc 120  
 actaattatg ccgtgcttaa atttgttttc ccaacctgac tgattcttca gttagttttc 180  
 gtttcagctc tgcgaatgac ctgggtataa ttttcatggc cataatttat tgtgactatt 240  
 attgttttga 250

<210> 48456  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700967051H1  
  
 <400> 48456  
  
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 actctctcat gatgcacgga aggaacaatg gaaagaagct catggctgtc aggattatca 120  
 agcatgcaat ggaaattatt cacttgctca ctgacctgaa cccaattcag gtcattgttg 180

atgccgtcat caatagtggc cncctgaag atgcaactag aattggttct gctggagtgg 240  
 tgaggagaca ggcc 254

<210> 48457  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967052H1

<400> 48457

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 agaaaagaga atagagaaaag aaagaagtga aaatggcatc ccatattcca ttaggatttt 120  
 attgttgttg ttgttgttat aaaaaagaaa agaaaagtgg cgcacgggtg agtagtgagt 180  
 agaagcataa taataaccct gttagtgtcg tgcgtgctg ttaggggaga gaaggataag 240  
 agag 244

<210> 48458  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967054H1

<400> 48458

tccaccttgg cctagccagc tagcgcttct tctctcgaca ttccgtggag atctagtgtc 60  
 gccaaacctc gctgcaaatt agggtttcgt ttcggatgta gacgaagatg ttcggaaggg 120  
 caccgtagaa aagcgacagc accaggtact acgagatcct cggcgtttcg aagaacgctt 180  
 cgccggatga tttaaagaag gcttacaaga aagccgccat taagaaccac cctgacaaag 240  
 gcggtgatcc tg 252

<210> 48459  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967055H1

<400> 48459

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gaaatccgcc ggagcgttgg ggatgggtgt gtccaacacc gccgctaacg gcgaggagct 120  
agtggcggat gctcatttat taccggccac cgcagttggg cagaaagccg gtgacgctat 180  
taagaagtat ttggtttccg atgcgaaacc gacggtgaag attttttttg agggaaccaa 240  
ggtgggg 247

<210> 48460  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967056H1

<400> 48460

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taaattatcc gccttatttt ccattccaa ggaaagaagc caatccacga ccgatccaat 120  
gccgctttga atcgctgcc gtctccttc cgtgggaaca tctttgttgc ttttgaattc 180  
gatttttggg gcagttgggc cgatgagtaa catgtcacac tgtttctgaa acacaaaaag 240  
acccttttct tt 252

<210> 48461  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967057H1

<400> 48461

aaagcttttg tttctctctg cttatggaag gcccttaaac tttcgtcttc tctgcttcac 60  
tttctcgctt ttgcattttc ttgtgaaaaa aaaaatcctc agaacaaaaa taggtcttct 120  
tcttctctga tctaccaaag cttcaaattc tccttagttt ggtttgtctg tgagtttggg 180  
gtgtaatgtc gccgccgacg ctggtaacgg aggaggaggg gcggacaccg tggcgtccga 240  
ttcttcgcaa 250

<210> 48462  
<211> 251

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700967058H1  
 <400> 48462  
 tgatgatgtt ataacttgta agctttccct gttctacctt tttcttttcg tactcataaa 60  
 actacttttc tgacatctca tcatattctg ttctccgaag gtaacagctg cttcttctgg 120  
 ttccattttg catatctcta tcttcatttg attttcaatt ttcttcattt ggggaagtgg 180  
 gtaatgtttt tcgtggcacc caattgcttg ttttaaattc tcactaccat tttagtggct 240  
 agagattgat c 251

<210> 48463  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700967060H1  
 <400> 48463  
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 ttcatgtcta tgtccatttg aggttgagag agagaggcac tcagatacgt ttccgttcag 120  
 agacagacac aacacaacag aaagtgttca gagagagaaa tagtgaacgc aacaaaacaa 180  
 tgtcttctct gaatntgtta ctattttctc tgagcagngc tttgtctagt cccatcgccg 240  
 ttttctttca gat 253

<210> 48464  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700967062H1  
 <400> 48464  
 taagagagcg atgttgggtgt tccgaagatt gatccagaat cctcctatga atgacgataa 60  
 gagatgagag aacaaagctt tggagataaa atgcatggaa taactctccc tctcactgca 120  
 actgcaaata gtttcctttt gagatctcct ctaccaagtt gtttcatacc cacttgtaaa 180

gtagctacg gatttcgttt taaccattct cagtggaagc accataaaac agaaggatgg 240  
agcaatagga ataga 255

<210> 48465  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967063H1

<400> 48465

agcctcttgt ctccttactt gcaaagccgg aacagaaatc gcatataaaa tgcgaaaaga 60  
aatgaattca atgttcggag atctgcacag gatctctctc cgtgtccggt gaactttctt 120  
tacgccctcc tcgtaacata aaaattcaga tcccgccaac tctgaagacc tctattctct 180  
ttccctcccc tttccacttt cccgagaaaa ataaactttt cegtcaattt tctctccacg 240  
gtttccttct tctcaca 258

<210> 48466  
<211> 268  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700967064H1

<400> 48466

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cactcctctt ccatagcctg cggccttcac tctcatctcc tgggtctccag tgagatgaac 120  
cctagctcca attggtccct ttaatcaatt acctcttaat tagtaattac ttaatctcaa 180  
ttagcctttc actctcccac acaacaacat caccgngtc aaaggttttg tcgaaggagg 240  
categttcc atcattgcag gctgttcc 268

<210> 48467  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967065H1

<400> 48467

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 tttcttcgaa ggcacctaa aggaagcgct cgtggctccc aggttccgaa gcgaaacttt 120  
 gcttcctctg gtcacacga tgatcatat gagacggcca aatgggagaa gattacatat 180  
 ctaggcattg ttagttgcac tggtttagcc gtttataatc tatcaaaggg ccaccacac 240  
 ttcaaagaac ctc 253

<210> 48468  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967067H1

<400> 48468

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 agttgaaagg actgtctttt atagagaaaa agctgcggga atgtattctg ccttacccta 120  
 tgcatttgca caggttctgg tagagatacc atatatcttc gctcaagctg tgacatacgg 180  
 ttttaattgtt tatgccatga tcggatttga ctggactgca gagaaattct tttggtatct 240  
 atttttcagt t 251

<210> 48469  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967068H1

<400> 48469

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 acatgaagag attgaagtat attgatattt ctcaatgtgt taacctcaca tgcttccttg 120  
 aagagattgg tagattagta tgcttagaga agattgacat gagggaatgc cccatgatta 180  
 ggtatttacc gaagtctgca gtgtcattgc aatctctgca gcttgtaatt tgtgatgagg 240  
 aggtaca 247

<210> 48470  
 <211> 255



<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700967037H1  
 <400> 48470

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 aaatcttatg gcgagcatga tgatttcaga cgattttcat ttttagccg tgcagctctt 120  
 gagtttcttc ttcaagctgg caagaagcca gacatcattc attgccatga ttggcagaca 180  
 gcattcattg ctctctgtga ctgggatata tatgccccag aaggattaaa ttcagctagg 240  
 atttgcttta catgc 255

<210> 48471  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700966990H1  
 <400> 48471

ggatggctca atacggttag taatgctgcg tcttctgctg cagggaaagt ctcaatccca 60  
 tctggtgctg tttctgctgt ctttcatagt tccattcctt ataattcaca caatgcatac 120  
 tcaaaaattc atgccatgga gcacttatta gtttatacc cttctgggtca ttttaattcaa 180  
 tataaactac tgccaccatt ggtggcagag ccaagtgaaa ctgcttcaag aacagcccca 240  
 gttccttcag ca 252

<210> 48472  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700966991H1  
 <400> 48472

accaaattcca aattccaatg cttcttcttc cttcttctta tttcaatttc aatcactact 60  
 acttcacgct tttgtttctc catttttaaa ccctaaatct atctatctaa tagagataag 120  
 atagggcaaa aacaaaaccc tagccaaaga aaaaccttgt tgagcagcaa cagcagcagc 180  
 agcagagaga gaggaatatg gaaggagtac cgcacccaat acccagaaca gtcgaagagg 240

ttttcaccga ttt

253

<210> 48473  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700966994H1

<400> 48473

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tgaacagctc tttcagcttc tctccaatct tctccaccag gtggaatcac tgacgaatca 120  
agaagaagtt gagctgcgtt ctaaaattga aactcttgga ttagagggtta caaaagttcc 180  
ttcaaagtca acgcagcacc ttaacgaggt gtttttcact tgatgcagag ttctcttatc 240  
cctgttgaaa tg 252

<210> 48474  
<211> 97  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967001H1

<400> 48474

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caatttcggt gtacaaacaa aattccccta ttttggg 97

<210> 48475  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967004H1

<400> 48475

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ttcatgggta gccctcgctt cgtttttctc ctgggaaacg tcatcatcat aacgtctctc 120  
gcacaatctg gccacttttc atcttcagcc aaacgtgccc cagaacctgc agatctctat 180  
ctcgagttcc tccaaaacac caccatccat cagaaacttc aagtccacgt cagcagacca 240

aagccaagtg cgagagtatt gg

262

<210> 48476  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967005H1

<400> 48476

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tcttcttcaa ctcaacagag caagggttcg cactcgcaga ttcttgagca agaataatgg 120  
ggaagaaaag aaaacacagt gagactactc aagctgtagc acaacccaaa aaggaagagg 180  
ctgctccaga gagaccggct aggacccttt tgggggtggaa ggataagaat caagttgagg 240  
atgattcacc aatattta 258

<210> 48477  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967007H1

<400> 48477

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atggaaaaac caagccaaga tcttcttcag cagcaacaac aagccctaaa gtgccctcgc 120  
tgcgagtctt caaacaccaa gttctgctac tacaacaact acagcttgtc acagcctagg 180  
cacttttgca aagcctgcaa gcgttactgg acaagagggtg gcactctcag aaacgttccc 240  
gttggtggtg gctgcagaa 259

<210> 48478  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967008H1

<400> 48478

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ctaatacgaca ctttgccgga attagagaca gaaaagggtg atctggagaa cactgttggt 120  
gacgagagcc aaagacagtt gaatgatcaa gaggttctct ctagattgag gcaggagaaa 180  
tctagtgcaa gtgcaagtga gtctgaggat gataacgaga gaaatgatgc agccgaggaa 240  
gaaacagatg aag 253

<210> 48479  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967009H1

<400> 48479  
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ggagtgtcac caccacaagg gaaagaagca caaactctgg agacgcatct tctggggcat 120  
agtgatcttc gccttcacgc tgttgctaac agttcttata atctgggcaa tcctaaagcc 180  
ttcaaagcca accttcaccc tccaagacgt gaccgtctac ggcttcaacg ccaccatccc 240  
caacttcctc acctcaagct 260

<210> 48480  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967011H1

<400> 48480  
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atgaccattt gggatgaatcc ccggccgttg agttaaccgg aaagataatg attgtgggta 120  
ttattatcat gttcttcggtt attgtaattg ctctctgcct tcatctcttc gccagaaact 180  
tctggtggcg cagcctgctc cccaatctcg cagccaccgc cgccgccgct ttgttttctc 240  
gtccggtcca gacggtgga 259

<210> 48481  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967012H1

<400> 48481

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tcaccgacga ccagatcgcc gagttcaagg aggccttcag cctcttcgac aaggacggcg 120  
atggttgcat tactaccaag gaacttgga ctgttatgag gtcacttggt caaaacccaa 180  
ctgaggcaga actgcaggat atgataaacg aggttgatgc tgatggcaac ggaaccatcg 240  
atttcccaga gttcctcaa 259

<210> 48482

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700967013H1

<400> 48482

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acaaggttta gccactccaa acagacggga aatgggtcgt ggggtcagtg ctggtggtgg 120  
tcagagttcc ttaggttatc tctttggcag tgggggtgcct gccagcagtg caaacagtca 180  
gcctgcaa at ggtgctcgca ctcaaatgc tagtgctcct tcaccaccag tcgataagca 240  
aagtcacga ccagcaccag 260

<210> 48483

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700967014H1

<400> 48483

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gaaaaggttc acatcagtat tgtggttatt ggccatgttg actctgggaa gtccactacc 120  
actggccacc tgatctacaa gcttggaggc attgacaagc gtgttattga gagatttgag 180  
aaggaagctg ctgagatgaa caagaggtct ttcaagtatg cctgggtgct tgataagctt 240  
aaggctgagc gtgaaagagg aa 262

0953113.032200

<210> 48484  
<211> 96  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967015H1

<400> 48484

atcgcgagca acgcccttat atttttttgt ttttttgaaa atgtttaagg agaattgggg 60

acgaaaaact ttccccaat ttggccccc tgggaa 96

<210> 48485  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967016H1

<400> 48485

ggagttaggt tctgcacgct ctgcttcag cgagtgttct ttcttcgttt caacacctta 60

atttgcacac gctgcttctt cagcttgaga aatggcacia gaaacctttc tattcacatc 120

tgaatctgta aacgagggtc accccgacaa gctgtgagac cagatctctg atgcagtgtc 180

tgatgcgtgc cttgaacagg accctgacag caagggtgcc tgtgagacat gcaccaagac 240

caacatggtc atggtctttg gagagat 267

<210> 48486  
<211> 85  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967017H1

<400> 48486

caaatacaga taaaaagagt caagcggcga gcaattgaga catcgctggg gcatcgggg 60

tttcttcgaa gcgccctaag aggaa 85

<210> 48487  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700967018H1

<400> 48487

aaaattccta ttcttcttct catttcaact ctttgcaatt gcgatctttc attccttttt 60  
ttttactctt ggtaagcgta gttcgggtgt ggagaaccag cttccagttc cagaatactg 120  
ctgaacagag ttcggcttcg ctttattggg actcagttgt gtttctacta ggttatcttc 180  
tctgaattgc aaatgaatga tcgttgaaaa accatgaaga aggtgaggag aaagatcggc 240  
aagtatgagg tgggtcggac 260

<210> 48488

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700967020H1

<400> 48488

acgcgcaatt cgctgctgat aaaccgctc actgcaaatt gttgtgatcc ctacccatcc 60  
atccttcatt tccatctcgt ttttttgttt caaacaaga aatctttatt tttttcctat 120  
tatattttca atcacgcgaa agtgaaagtt cttcgggtgt tgctattgct cattcatttt 180  
ctcaggggaa gaaaaatcat ttttgttccc ccggattacg ttcctagata atagctttta 240  
gccaaatc agatc 257

<210> 48489

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700967022H1

<400> 48489

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aggggcgtta gacaaatgga cagcttggga aacagagttc cctgtgattg cagtgtctaa 120  
ggctttaaaa atcttaagga aaaggggtca ctgggttcgt gtaattcaag tagctaagt 180  
gatgttaagc aaaggtcaag gagcaacgat gggaacatat gacacccttc ttctggcatt 240  
tgatatggac aagagggt 258

<210> 48490  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967023H1

<400> 48490

cttgtgttgt tattttatct catctgcatc tgcattctgt acgttgtgtt gagcagttag 60  
 atctgtatcg tcaaaattca tgatttcgtg ttgaatgcat cgtccgagtt aggttaattt 120  
 ttgcacattt tttggtgtaa aatggaggtg ccaactagga gaaaaccctg gatctactgg 180  
 atttgccttt tcgtcattgt caatgcgttt gtacaaatta gcaatgcatt ttatcttccg 240  
 ggaagctaca tgcaca 256

<210> 48491  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967024H1

<400> 48491

cgcactcctc ctctccttag gtggaattgg aattggggat ctactagatg ggcctaattca 60  
 gaagcatgag atcgcggtca cagcgtgtgg tgcaggagca agaagctgct gagtgtgtcg 120  
 gtgtcgtcgt cggcgacagc atcgacaga gttgttgggc caacatgccc caagagcttc 180  
 tccgagaggt cctcctccga atcgaggcct ccgaggacac gtggccgccc cggaagagcg 240  
 tcgtctcctg cgccg 255

<210> 48492  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700967027H1

<400> 48492

ctaatttcct caatcctggt tttggaattc gacaatggag cagaagagga gcagcaagat 60  
 gtacaacctg ttctgaagc acttgagcgg gaaaacccta accctcctat tcccctctcc 120



gatcctctac gcgagttcca tcaaggatcg cctcttccaa ctactggaa tccccgccca 180  
 ccaccagcgc ctggtcaccg gctgtcgcca cctcaacgat gacaaatccg ctatccagtg 240  
 ctccccgggg gacggc 256

<210> 48493  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700967033H1  
 <400> 48493

tggcgtcttc ataaacgccg cccaaaactt ctcataccct tttattcatt ccattccttt 60  
 ctaagggttt tcttttcttt gccgagaaaa tgagagagtg catttcgatc cacattggcc 120  
 aggccggtat ccaggttgga aacgcctgct gggaactcta ttgccttgaa cacggcattc 180  
 agcccgatgg acagatgccg agtgacaaga ccgttggcgg aggagacgac gccttcaaca 240  
 catttttcag cgagaccggc g 261

<210> 48494  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700967034H1  
 <400> 48494

cagaaattgt gatcctgaag gtcctctgat gctctatgtc tccaagatga ttccagcatc 60  
 tgataagggg agattttttg cctttggccg tgtattctct ggcagggttt caactgggtt 120  
 gaaggtgagg attatgggac ctaattatgt ccctggggag aaaaaggatt tgtatgttaa 180  
 aagtgtgcaa cgaactgtca tttggatggg aaagaggcaa gaaactgtag aggatgtccc 240  
 ctgtggtaat acagtgg 257

<210> 48495  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700966989H1

<400> 48495

agcagcagcg gaagctctag cttgggcagc gaatcacaat ggcgagagga ttgaagaagc 60  
 atttgaagag gcttaatgcc ccaaagcatt ggatgcttga caaactgggt ggtgcatttg 120  
 ctctaagcc ctcatctgga ccacacaaat ccagggaatg cctgccactc atactcattt 180  
 tgcgaaaccg gctgaagtat gctctgacat accgtgaagt cattgctatt ctgatgcagc 240  
 gacatgtcct tg 252

<210> 48496

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700967035H1

<400> 48496

ctgatgagca gatagaaaga gaagagaagt tgatgtcaac agcagaagct cctcctccgt 60  
 tccaagaagc agcgcgatgc gttgtgtgca attgcagttt caacaccttc agaagaaggc 120  
 atcactgtcg atcctgtggg agaacattgt gcaatgaaca ttcatcagat caaatggctt 180  
 taccacaatt tggcatttac tcaaatgtcc gagtatgtgc tgattgtttc aacaactcac 240  
 ggtctgggaa ggatg 255

<210> 48497

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700966951H1

<400> 48497

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 gatcaagtgg aaaaggttct taaaactcgg tatcacgatg ccaagaataa actgcaagga 120  
 aaagagcttg atttactcat tgttatcttg ccggataata atggatcact atatggtgac 180  
 ctcaaacgta tttgtgagac agatctagga cttgtttcac aatgttgcta actaagcatg 240  
 tcttcaaatg agc 253

<210> 48498  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700966952H1

<400> 48498

cttctccttg ctttgacctt ttgccggttg ttgtgttgca ttggtgcaaa tggcgttctt 60  
 cagaagcggtt tctgcacttt ctgcacttcg ctctcgcggtg ggccagcaat ctaatcttgc 120  
 gaattcagtt agatggctcc aaactccgag ctccagtaac actgatcttt attctgagtt 180  
 gaaggaacta gttccagagt atcaggaacg tgtaagaag ctgaagaaag atcatggaag 240  
 tggtgaattg ggaaaaatta ctgttgatat gg 272

<210> 48499  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700966953H1

<400> 48499

caggcaagcc ccactcaacc accacacctc tcctcgttca cgctacccct ttctgctctt 60  
 cttctacctt tcaagtttta aaagtataaa gatggcagag acattcctat ttacctcaga 120  
 gtcggtgaac gagggacacc ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga 180  
 cgcttgcttc gagcaggacc cagacagcaa agttgctgc gaaacatgca tcaaaaccaa 240  
 cttggtcatg gtcttcgg 258

<210> 48500  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700966954H1

<400> 48500

ggaagcgctt ctcaacttgcc cacaataaga attcctctca aatttcaatt tttcatttga 60  
 aaataataaa accctaaaag aggggttgca agcaaatga gaagctcgaa gatgtggatg 120  
 gttttcatgt gtctgacggt gagcttcttc gctcgattg aatcgctatc cgtgacggtg 180

aacgacgtcg agtgcgtcta cgagtacgta ctttacgagg gcgacaccgt ttcggggaac 240  
 tttgttgctg tcg 253

<210> 48501  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700966955H1

<400> 48501

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 tggccactct tgttctttac caattctttc tcaaactctt gctcctaatt tcagtctttc 120  
 agcttttctt tgctgctagg agactcaacc agctgggttca ggaccagtca cagttactcc 180  
 attaccacaa cggctctctt ctatacggca aaatcgccgt gaacctaatc tggatatggtc 240  
 atttcaaacc atccc 255

<210> 48502  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700966956H1

<400> 48502

aatttattaa ttttatgttt ttatggcttt ccacgaccat ctccagcacg acatagcgtt 60  
 ccagcgtttc acggaggagc aagagttgac cgagaacaga gacatgcagc agaggctccc 120  
 acctccgaca tggctcaaca acgttaacgc gcgtcaacag aatttctctg acaccgagaa 180  
 gagcgtggat cggaacaacc gaagcgagag caattgcgaa tccgaggatt tgaggaata 240  
 caaagcggac attctaggt 259

<210> 48503  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700966957H1

<400> 48503

atcctgtctt ctcgtgctgg ccagtctaga gctgactaag aaaggagttg tgctgcaaaa 60  
tattctttga ccacccatct gttttaacct ctttttagag ggggtgaggg aggtaattat 120  
tagtttttcc gagcttagca atgttcaggc agcattttca ggcttttagca attgtgtgaa 180  
agttcaattc accatttgtg gtgtttgttt gtgtaattag gtttatgttt acttaataaa 240  
gcttcttaag cttc 254

<210> 48504  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700966958H1

<400> 48504

gttaatgatt taggatatac aaagagatac gtgcgctgcc tacagatatac agaagtggta 60  
aatagtatga aagacttgat agattacagc agagaaactg ggactggacc tatggagagc 120  
ttagcaaaat tccctcggag aacaagtggc tcactctggac ctcgtgggtca agcacaacag 180  
catgaagaac aattacaaca gcagcaacaa caacagatgg tggcccataa ctcaaattggc 240  
gatcaaaact cagta 255

<210> 48505  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700966961H1

<400> 48505

tgtttatcac tatcacttcc ccttcctatc tctgaagcca ttctcgttca ttttgtcttt 60  
ttatcttctc tttatctccc tcaacaagat tcctataaag ttctagtcgg ctttcacaca 120  
actttaagaa tcattgtatg gagccttgca ccaatcaact gacacctctt tttaacgcag 180  
aaaatctcgt gaatccgtga tcgcaaacaa aacaatgtct ccccttctta tgttaggcaa 240  
ccgcaaagac gggtctg 257

<210> 48506  
<211> 256

0953113.033200

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700966962H1

<400> 48506

cggctcgagc tcgagccgat tcggctcgag aatagtgtta atttgtcttt ctctatctct 60  
atcgactatg agtngttttg cttttgatga ggaaaactcc tccaccgtgg ctccggcaac 120  
actctacaaa gctctgacaa aagatgctga cactatcatc ccaaagatta ttggggccat 180  
ccaaactatt gaaatcgttg aaggaaatgg aggacccgga accgtcaaga agataacagc 240  
tagtgaaggt gaccaa 256

<210> 48507  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700966963H1

<400> 48507

gcgattttcg gtgaaaaaga gtggtacttt ttcagcccca gagacaggaa ataccggaac 60  
gggtctcgac ccaacagagt agctgggtcg ggttattgga aagccaccgg aaccgacaag 120  
atcatcacca ccgaaggtag aaaagttggc ataaaaaaag ccctcgtttt ctacgttggc 180  
aaagccccc aaggcaccaa aaccaattgg atcatgcacg agtatcgct cctcgactct 240  
tcccgaaga aactg 256

<210> 48508  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700966964H1

<400> 48508

agtctgtgtt gctttgtttg ccgctttctt ctctttctcc gtagcaggat gtcattctgtc 60  
ttagttgatt agggacagtt cattttacat aacctgcgtc gtcaaattatt tcaacatata 120  
caaattattht ggttgcattgc cccattcata ctacagtcaa ggagtactgg actattttct 180

ttataaaaaat ggagtacttg acttggtgaa gattgtgaag cttgtagttc cctgattcct 240  
gtgcggcact aaattt 256

<210> 48509  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700966965H1

<400> 48509

gttgattgat cgatgattga tgatggttcg ggcgtcgggtg aaggtgggtt ccgccaagtt 60  
cgtagtgatc tgcgtggggc ttttgggctt cgctctcgtc gccgactttc tatgggcctc 120  
tacctcttcc actcttccca cctccaccaa accctccgca tttgtgggtc cctccaacca 180  
caataagaag aaatatgaga atgccactgc ttctggaaga ttccttgccg cggtttacgc 240  
cgatttggtat gcgccgcagc t 261

<210> 48510  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700966966H1

<400> 48510

atgtgggtga gaggaagaag aagaagcaaa tggagtttca acgcagcgat tcatcatcgt 60  
ccccgcccac acccaacaac gccgatccga agaaaaacac ttgttctgac ccaatgcatt 120  
catggtggga atcagtctca aaagcccggt cccgaatcca cgccctcgcc gccatcctcc 180  
cctcctctc ctccgactct ctctcctctt tagcggactc cgaccgcccc gctttgtcgt 240  
tactttctc ccccgccgcc ta 262

<210> 48511  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700966967H1

<400> 48511

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 tgttttaggtt ttgttttggga gtggtgttgc tatctctata gctccatgaa ctttttctga 120  
 cacaacccaa cccaagagga ggaggggggat gaggaagaag atcgaagaag aacaagatat 180  
 gttgcttggga aaacgtcttc gggcaccgat tatgaaaaga actacaagca tgagtgggtg 240  
 tttggccgtg gaaaccaa 258

<210> 48512  
 <211> 146  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700966970H1

<400> 48512

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 tctctctcta caaagagtgc gtgtgagagt gagagagaga gagagggatt tggaactttg 120  
 gatattctata gcgaaagcga gacacc 146

<210> 48513  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700966972H1

<400> 48513

aacaaattaa attagtgggtt aaggttggtg gaggagctct aacaagagat ggagacacaa 60  
 aattggttcg aaagagtga gcttttagca gctgtggtat caatgcagtt tggatatgca 120  
 gctatggatg ttctatccaa ggctgcaatg aacaaaggga tgagcaacta tgtgtttgtc 180  
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 aaagtaaggc caaag 255

<210> 48514  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700966973H1



<400> 48514

gacgccgtag agtcagagag agagattcac tgaacagag cgcagaagaa aatacataaa 60  
 ctaatccaga aaatgagcag cggcgctgga aaggtggtgt gtgtcaccgg cgcttccggt 120  
 tacattgctt cctggatagt caaattcctc ctcaatcgcg gctacaccgt taaggccacc 180  
 gttcgcgaca caagtgatcc gaaaaaata aaccacttgg ttggcctcga cgggtgctaag 240  
 gagaggctgc acc 253

<210> 48515

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700966975H1

<400> 48515

ggagaacctt cttttctctc tgttttgttg ttattcttat ttcagacctt aaaacaaaa 60  
 gcaccgattc tgctttctag aattacatca tcgtatcaag aaaaccttgg aactacacga 120  
 aaatggtgtc ggcgaacaag gagatggtcg tgtactgctt cgacaccctc ctcgctcact 180  
 acaacagcac ggaagctcct tcccctgcct tcgatcaggc tcaacatcca ttgtttgtta 240  
 catggaagaa agt 253

<210> 48516

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700966977H1

<400> 48516

tccggcttca acatgcacag ttacctgaag aagcaagaga gcttgacaag gagcatagac 60  
 agattgtaaa ggagaaagaa gaatctgttc gcaatcaaga ctttgagaag gccggagagc 120  
 taagagataa agaaatggat cttaaggcgc agatatctgc acttatagaa aaaggcaagg 180  
 agatgagtaa ggcagaaagt gaggcaggag atgaaggctc catgggtcact gaagttgaca 240  
 tacaacatat tgtc 254

<210> 48517

<211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700966978H1

<400> 48517

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 accatgactc ttgctgacgg atctgtttcc gagacattcc attatttaag gcagaatggg 120  
 ttgcagggtt tgctacatat atggcccacc cccactccca cgcctgcaa aatcattgca 180  
 gtctatgctg catttgaggc agcacttcag cttcttcttc ccgggaaaac cgtttacggc 240  
 cctattttctc caa 253

<210> 48518  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700966980H1

<400> 48518

attaacacta ataacagcaa actaaagggtg aagtttgcca gaaacaagat gggaaggaac 60  
 cattttcagc agcaaacactg tgctgatggg agcatgtgga tggagagtca ggtcagcaa 120  
 cagagctatg cttccaaga agagtcttgg agccctgata acaactatgg ccacaaccac 180  
 aagcaattcc caggcatgca catgaacatg aacaacaaca acaacaaca aaggcttggt 240  
 gcttttgctg ctg 253

<210> 48519  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700966984H1

<400> 48519

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 agactcaccg atcttccgat tctctttcgt cttggtttat gagctcgaag gagagaccca 120  
 ctcttggtgg cagcgggatt aagaccgcga aacgaaatat tgctgcgccg ctggaccctg 180

cagcattctc ggatgcagtg gtccagattt atttggataa tgctggtgat ctggaactta 240  
 ttgctaagag ta 252

<210> 48520  
 <211> 132  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700966986H1

<400> 48520

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 atgatggccg tggtgttagt aacttcgttg ctcaggcact acggaaggag cctttgaccg 120  
 tttatggaga tg 132

<210> 48521  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700966988H1

<400> 48521

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 tggttgcggt gaaaaagcta ggatcttggt tgatgggatg gcaaagaagg atgtgtggat 120  
 atggaatgtc atgatttgtg ggctggcttc acatgatcat gccaaaggagg cactcgcgct 180  
 gtttcagagg ttcgttggtg aaggttttca gcccgatgaat gtgacgtttg tgggtgtgct 240  
 taatgcttgt a 251

<210> 48522  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700966950H1

<400> 48522

tgtaaactgg cgtgatgctc ttgctgtggt agcagagggt gccaccaag tcaaaccgga 60  
 agaaattggt ggcatagctg gcaaactttc tgatgctgag tccatgattg cactaaaaga 120

tttcataaat aggatggggt caaatgatgt atggggtgaa ggcattgggtg taaataactaa 180  
 tgctgatttc agatcaggat atattatgaa tactagcatt gctgggtcttg aaaaagcgga 240  
 tgcgttcctg ttggttgga 260

<210> 48523  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700966916H1  
 <400> 48523

cacaaaatca agcacacaag cagattcact tctctgttct gacacacata ttaagttccc 60  
 gagaaagatc tagagagtaa ttaagatggg tacgtgggtc acaaatgcaa ggccgtatct 120  
 gctgttagtg gcagttcaat ttgggtctgc tggcatgttc atatttgca tggatgctat 180  
 aaagaagggt atgagccatt acgtgttcac cgtctatcgt aatgccatcg cctctgtatc 240  
 tcttgctccc ttgcatttg ttct 264

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 cggtgccaga tgggtttggt gagagtacta cagagcctct tgctcctgca actccatctc 180  
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<400> 48525

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aaggtgtctt tggtagggc gttgtgtac atgatagcac agtgtgccg tgcaatctgc 180

ggtgctgggt tggccaaagg gttccagaaa tcgttctaca acaggtacgg aggtggggtt 240

aacactgtca gcgatggcta caa 263

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<223> Clone ID: 700966919H1

<400> 48526

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ctacgacatc gccctcacct acggccgccc catccccacc tccgatgaga cctgctaccc 180

tctaggagcc tcttctctg atgacaactt cgattatgat cgcctcaat acacctctaa 240

cgtgaaccc tctgcttatg gtg 263

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<223> Clone ID: 700966920H1

<400> 48527

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gaagactatt actggcaaga aggagaccct cattgacctt acagttatag aaatcttgtc 120

aaggcacgca tctgatgagt tctaccttgg gcagagagat ggtggtgact actggacttc 180

tgatgccggt ccattagagg catttaagag gtttggaag aagcttgaag agattgaaaa 240

gaagcttata gagaagaaca aag 263

<210> 48528

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 acccaagtat tatataatta aatttgactg ttattctagt accagaaaac agtattttgt 180  
 gatcgaagct tcttgttatt cattaanaatg gaagtgtccg aggattctcc atatgtagtc 240  
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tcggaaaaat tcgatggagt gccttatggg ctgtttatgg gaccaaagga agttgaagag 240

gtgggggggc tagaag 256

<210> 48531

<211> 82

<212> DNA

<213> Glycine max

<223> Clone ID: 700966926H1

<400> 48531

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<223> Clone ID: 700966927H1

<400> 48532

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tttcaccatt actactccct ctacctctc ttctcctcc atagaagaag ccactaacac 180

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<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700966929H1

<400> 48533

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cgatattctc cggttaccct ccgaagcatc cacttttttc aaagcaccgc gtggcgatca 180

aaacgatgag ggcacgaggt gggccgtttt aattgccggt tccaatggct actggaatta 240  
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<223> Clone ID: 700966930H1

<400> 48534

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attggaatgg aatacagaac tgtatctgga gttgctggac cattggatcat tcttgacaaa 180  
gttaagggac ccaaatttca agagattgtt aatattcggt taggagatgg aactactcgg 240  
cgtggacaag ttctagagg 259

<210> 48535  
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<223> Clone ID: 700966932H1

<400> 48535

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cccccttcat caccgcccct tccagcccc aattcttcgc ttccaacaaa ccaaacttct 180  
tcttcagcgc cccaccagc cccacacgtg gcacctctc cttcttccac gactccccct 240  
cctcttctc tggtcttccc catgaagaac aacaaga 277

<210> 48536  
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<223> Clone ID: 700966934H1

<400> 48536



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ttacctgtat tgtaagattt acacgatata acgttctcgt taaa 165

<210> 48537  
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<213> Glycine max

<223> Clone ID: 700966935H1

<400> 48537

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gttcctgagg cccacaagt acagccattg gtcccacaac tacaacaaca acaacaata 180  
gtggtgagta atgtggaaat caacaaagct gataataacg gtgagaattt gatgatggaa 240  
gcaagctctt caaggtggcc 260

<210> 48538  
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<223> Clone ID: 700966936H1

<400> 48538

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atcaccagtg ttggagggat cggttgaccaa gtcttaggct tcataggcag tgcagtcgat 180  
gcacttactt ttgcagccac caaaatctcc atccagttga ttagtgctac caaggctgat 240  
ggtgggaaag gaaaaattgg 260

<210> 48539  
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<223> Clone ID: 700966937H1

<400> 48539

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ctagtttcac tgcaaggctt agtactcaac tctaagcctt acttcaatga agctgggtat 180

gataagcagg ttggaacagc cgaaggagag aaaaattcat tgtcatacaa tgagaatacc 240

tttttactta actgcaag 258

<210> 48540

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 700966939H1

<400> 48540

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tgctgactcc tgctaggcag aggctgatga gagacttcaa gacgctgcaa catgacccgc 120

ctgcagggat cagtgggtgcc ccccaggata 150

<210> 48541

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700966940H1

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ccaccacgac tcacaatagc ttacggtgcc cacgtgcggg gatgatcttt taccggaatg 180

gccccaaagg gccgtagaag gggcagccgg agaacgcggg ttatgatttc gaggacaaga 240

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<223> Clone ID: 700966941H1

<400> 48542

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ttggccaaac actcccatte cactgcact gcgagagctt ctaaagcctc tccttgcagg 180  
tgttgaaatc gatgaactcc ctaagcaaat tgatgatata cagtacccaa aaacattctt 240  
ctataaagaa gaccttca 258

<210> 48543

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700966943H1

<400> 48543

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tcttcatcat cattccagaa cttgggatct ttcccaagtc cagggggacc ctattatagg 180  
gagagaaaca ttaggagcca aaaggggttg tgctcagaga gagtttcaaa ttcaaagctt 240  
tcaactagtg ctagtagc 258

<210> 48544

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700966946H1

<400> 48544

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tctctgctct cagactcttg tccttgcaag cagttgtgtc tgtaacacca ctgcattttc 120  
aacatccact agacccttta accaaacaag agataagtct tgtccaaacc atagtccaaa 180  
acaagtaccc aagctcaagt aacagggttg gcttccacta cattggactc gacgaacctg 240  
aaaaggatgc catcctca 258

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<223> Clone ID: 700966947H1

<400> 48545

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 ccctatctct tgcttcatat gtatatattca ataggggtgac atcggtgaga aatttcatct 180  
 gtgggaagcc tataacatgt tgctaataata atttaagcac ttgttggcaa acttgtaaata 240  
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<210> 48546  
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<223> Clone ID: 700966948H1

<400> 48546

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 ggtggttggg agtggagctc aattagcata tgggttctaac ccatatcagc caggccaaat 180  
 aactgggcca ccgggggtctg ttgtgacatc agttggtacc attcaatcca cacctgctgg 240  
 agctcagcta ggacag 256

<210> 48547  
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<223> Clone ID: 700966949H1

<400> 48547

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gttggtggga gaacgtaaca agcttagtcc ctccatgggt gtgcttctc actgctttcg 180  
 attgtttaac caagaaattt tgcgtgtaac cacgctgatg gggaatgcat cagttttagg 240  
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<210> 48548  
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 <212> DNA  
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<223> Clone ID: 700966915H1

<400> 48548

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 aatccggaac ttcgacttct cggaatcctt ctcagttgtc ttgggtgaat ctgtctagga 120  
 atttattatt agcgtatcaa agctttgggtg tgggtgatgg agatctgagc acttctctc 180  
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<223> Clone ID: 700966901H1

<400> 48549

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 tatcgttggg tgtgatcggg gtgagtctaa tatttgcagt gctgaaaatg tcgcagttgt 180  
 tggacaaagc caaaaactat gttgcggaga aagtcacgaa catgccaag cccgaggcga 240  
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<223> Clone ID: 700966903H1

<400> 48550

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gttcaagagg cgggtgttac ttccatgcaa ccacttggtc tgcaattcat gtttggctga 180  
ttgcataacg gctgggcctg gatgtgctgt ttgtaaggca acgtatgctc aaacagatgt 240  
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<210> 48551

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700966904H1

<400> 48551

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cctagtaaca cagatgggat ctccatgaa gaaaacaatc tttgaggagc aaactgcaaa 180  
ggcacttaag aaatggcaaa aggctgcaaa ggacaagaga aagttaagga aagcaggaat 240  
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<210> 48552

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700966905H1

<400> 48552

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tattggtact gtgccagtgg gacgtgtaga gactgggggt gtgaagcctg gtatggtggt 180  
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<210> 48553

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 <223> Clone ID: 700966910H1  
  
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<223> Clone ID: 700966912H1

<400> 48556

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 cttgtcattg cttcaatcga acaagagtga acgagttttg tgggattgtg tattgttaga 240  
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 <212> DNA  
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<223> Clone ID: 701037103H1

<400> 48557

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 caacaggtgc tcgatgtgtt gcaactctgt tgcataaagt gaagaaacgt ggcagggact 180  
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<210> 48558  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037316H1

<400> 48558

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cacacacttt cctttctcgc acccatctaa gattacccaa taagacgcaa ctctcaattt 180  
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<210> 48559  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037317H1

<400> 48559

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 aataatcctt cttttcttcg tcgtcgtttt gatgttggtc cttcatatct acgcgcgctg 180  
 gtacctccgg cgtgctcgcc gccgccagct ccggcgccaa cgcgagctcc gccgcaccca 240  
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 <213> Glycine max

<223> Clone ID: 701037331H1

<400> 48560

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 ttcctttaag gaaacaaaca tggaagggg tcacatgggg tggttcctct actgttggtg 180  
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 <213> Glycine max

<223> Clone ID: 701037402H1

<400> 48561

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tccatctatt ttgtctctca agaagctcga gagattgtct tctcatcact gttcccttaa 120  
cacgctcata agcgataatc atttaacctc ccttaaa 157

<210> 48562

<211> 151

<212> DNA

<213> Glycine max

<223> Clone ID: 701037502H1

<400> 48562

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<210> 48563

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701037573H1

<400> 48563

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ccccaaggg ttgtacggta ccttttgtga ggaatgtcca gctgggactt acaaaaatgt 180  
tactggatct gataaatcac tttgtcacag ttgtcctgtc aatgagcttc ctcaccgtgc 240  
tgcttatatt tcagtccg 258

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<211> 136

<212> DNA

<213> Glycine max

<223> Clone ID: 701037577H1

<400> 48564

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 cctcttatgg ttgcttcctc tgtttctcat tagctgtttt ggtttttgtc ttagttctac 120  
 acctttcctc atttcc 136

<210> 48565  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701037603H1  
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 ggtaattcct attttaatag atgcacacat ttcggctctt gtttggaatt atctatt 117

<210> 48566  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701037615H1  
 <400> 48566

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<210> 48567  
 <211> 71  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701037620H1  
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 atccgtcatg t 71

<210> 48568  
 <211> 108  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701037686H1

<400> 48568

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caaggcgtgc acaggatctt gcttcagctt ctactgtgct aattggaa 108

<210> 48569

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 701037911H1

<400> 48569

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acatgtacac agggctttct gaacggatat ttagtttggt aaattatggg tgcccccata 120

tttatttttc atagctgggtg aa 142

<210> 48570

<211> 97

<212> DNA

<213> Glycine max

<223> Clone ID: 701037948H1

<400> 48570

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cttggctctg acatcctctg ttgtctctgc ctatgac 97

<210> 48571

<211> 83

<212> DNA

<213> Glycine max

<223> Clone ID: 701038040H1

<400> 48571

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ccctcctttc actcattcat ccc 83

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<212>	DNA
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<400> 48573

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<400> 48574

19269

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cttaagaagc tttttgatga tgggtgtggg aagcgtgagg acctatggat cacctcc 297

<210> 48575

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701038246H1

<400> 48575

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tgtttgcaga agatgatttc tttttttatg tcactaatgt gtcctatta agattgattc 120

ggagtttcta attctgattt agtttgatga ttgttttctg ttttaattgtg tcctaaacca 180

aagtgtcctg ttgaataaaa agtgaaatat ttttaattgtg tcgattcata aacgaacaaa 240

tgggtgagat tatataccag gttctct 267

<210> 48576

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 701038304H1

<400> 48576

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aagtcattt tactgttttc cagattcact agatggacct gtgtactgat ggacgagctt 120

tcatttttt gctttggttc cattagt 147

<210> 48577

<211> 123

<212> DNA

<213> Glycine max

<223> Clone ID: 701038373H1

<400> 48577

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atgaatttgt agagaacca gttaattcct gctttttggg ggaaataagg ttttaaggcgg 120

ttc

123

<210> 48578  
<211> 117  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701038410H1

<400> 48578

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ggaaggatga ctaaactga tcctcatggt aacacatggt gcatgctacc tggagca 117

<210> 48579  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701038411H1

<400> 48579

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aatgataaaa cactctcttt tagtcttacc catctcatta acacttgtaa tttctctctt 120

gcattcaacc actttagcag cgatagctcc ggccaccgca ccggcacaag cteccccccac 180

tactccagcg gcctccg 197

<210> 48580  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701038430H1

<400> 48580

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ggtgcataca acacaagatg gaggaccaa atggtagtgg taagttgagc caagggcttc 120

gcaaggtgaa gccttacctt gctatattgt cccttcagtt tggctactca gggatgtata 180

tcatcactat ggtttctttc aagcatggca tgagtcattg gatactctca gtgtaccgtc 240

atgtagtt 248

<210> 48581  
<211> 129  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701038496H1

<400> 48581

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gcacgaagtc ttcagcggag aaaacccac atcgggttaga atcattctcg cactcccca 120  
atacaacac 129

<210> 48582  
<211> 277  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701038563H1

<400> 48582

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gcatctcgct cttcactctc attgtcttga ttggcactgg ctggctcttc ctcaaaccct 120  
tccttcagga taaggaaaaa aaggttctca tcgttgcat ccccttcaa gtcattgcca 180  
acattgctca ggtcggtatt gacgagaatg ggccctacgg ccatgactgg gctacctgga 240  
aacaggtctt cctccttggt gatgtcgtct gttgctg 277

<210> 48583  
<211> 123  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701038644H1

<400> 48583

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aggttccggt gtagcagcga agaagaagg ttaggagaag gtgacgaatc ctttggtcga 120  
gaa 123



<210> 48584  
 <211> 199  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701038846H1

<400> 48584

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 ctccaatgct cacaacggca ccaccaccaa ctccatcagg cagccttcg gcaatgtcct 120  
 cgcgttcttc atccttctcc tcatcggcgt tctggccttc tcgatccgtc tcttctccgt 180  
 tataaagtat gagagtgtt 199

<210> 48585  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701038947H1

<400> 48585

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 gtgcaccacc atcgccacta ctccgataac ttctcgacg gctcttccaa cggcaatcgg 120  
 tggctccaat cggccggcct tcaacacctt caatcctcct ccaaccaact tcttccgctt 180  
 caggactata acttgtacgg aggtgcacag ggaggaagag taccggaatg cgccgaggag 240  
 ctttaacgga ggaaatgagt tttatat 267

<210> 48586  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039132H1

<400> 48586

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 aggtcttgag tcagttcagt cagaaatcaa tgacttggac tgggaaagca ctttttctct 120  
 gcgccatctt ccaactctca acgtttcaga caacgcagat cttgatcaag attacaggaa 180  
 gacaatgaag aaatttgctc tggaactgga gaaacttgca gagcagcttc tagacttgcc 240

0953113.032200

atgcgagaat ctgggcctgg agaaaggg

268

<210> 48587  
<211> 281  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039202H1

<400> 48587

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gatcaagggga ctaagagctc aactgatgc tgggtggcata attctactct tccaagatga 120  
caaggtgagt ggcttcagc tcctcaagga taccagtga tcgatgtccc accaatgcgt 180  
cactccattg taatcaacct tgggtgaccaa cttgagggtca taaccaatgg caagtacaag 240  
agtgtgatgc accgagtgat tgctcaaacc gatggtacca g 281

<210> 48588  
<211> 123  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039381H1

<400> 48588

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ctcagatacc tctatatctg tatcccttcc ttaatagaac aagcaagtca agaccatttg 120  
agt 123

<210> 48589  
<211> 291  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039403H1

<400> 48589

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tctttggctt ttggacgcga tttctccatt gtgggctatt catcggagga cttaaagtcc 120  
atggataagc tcattgaact ctttgaatca tggatgtcaa aacatggcaa gatttacc 180

agcattgagg agaagcttct taggttcgag attttcaagg ataacctaaa gcacattgat 240  
gagagaaaca aggtggtcag caactactgg cttggcttga atgagtttgc t 291

<210> 48590  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701039614H1

<400> 48590

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gtatatctag ctcttcattt tttcttgctc aagattatgc tgtaaaattc tgaaactcac 180  
agtttcagcc acattttaga cttaaagatc tgcgcggtga cccttggcag gttcagcttt 240  
tggaatttgtt catcctcata agcctttgat tagtccagtt ttt 283

<210> 48591  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701039663H1

<400> 48591

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gtcgtctttg tatacatgga tactcttcgg ggacacggca acattggggc caactgcgct 120  
tacttggagt accgcatgga tgacttttct ggctatcttc gtcgtaggg 169

<210> 48592  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039664H1

<400> 48592

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gcgagaaatc cgatgcaggt tgtagtaaat gtcattaggt tttcctcttt ctctattgct 120

cagaagactc ttggagctac cagtacaaca aaggctggtc cagggctctga tatggaccct 180  
gatgaggaac cactgggttg tggttcctgat cagttcccag cagcaagcaa aaggtcacaa 240  
cagccacaga gcc 253

<210> 48593  
<211> 107  
<212> DNA  
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<223> Clone ID: 701039724H1

<400> 48593

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gaagaacgca ggaaggtgca gtggtacttt gtcgctgagc tcctcac 107

<210> 48594  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701039809H1

<400> 48594

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actgctctac aacgactctt ccctgcgccg ccgtccctc 99

<210> 48595  
<211> 272  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039826H1

<400> 48595

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gctcgggtct attatgaata tggaacata gaagagattc tcaaatttga atctaacata 120  
cccataccag acatcaagga aaccaagtgc tcatcaaggt tgtggctgca gcgcttaatc 180  
ctgcagatta tatgagggtc cttgggtttt tcaaggacac tgatgcaccc ttacctattg 240  
ttccaggggt tgatgctgct ggtgtggtgg tg 272

<210> 48596  
 <211> 83  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039896H1

<400> 48596

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 agtcctcatc ggcacgcgct ctc 83

<210> 48597  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040004H1

<400> 48597

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 gtgtattgaa gtgagcaagc tgctgctggt gctggagttt agggatgagg gtttatttta 180  
 ttggcagggt tacatgagtt tgtgatgatg tgttactgtg tttacttttag gtttgaataa 240  
 atgatattta cttt 254

<210> 48598  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040012H1

<400> 48598

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 gtgagtgtag ttcgtcttct gaatcagatc attcatcact ctctggttct gatttttctg 120  
 acaccaaagt ggtgaatcct cgaattccac gttcaaggat ctccactttc acacttttca 180  
 cttgtcagat ctccatcggt ctgtgcattt gattcgagat gc 222

<210> 48599  
<211> 276  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040033H1

<400> 48599

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aaatggctcg caccgtgata cacatgatca aaagagacca ttttgatgct gttgatgata 120  
aacttcctgg aacggaggat gtcagctctt gaaagtacaa actttgatac tactcatgtt 180  
agaaagaaca tcgggatttg gaagggcgat ggtaatgagt taaaaccagg ttggcttaag 240  
ccatctgaag ataacgtgga tcacactgag gagtga 276

<210> 48600  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040044H1

<400> 48600

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accaaagggg gtccctgtct atgggccacc tggtacagga acaacattgt tggctagggg 180  
agtgcgtcat cactactgact gtacattcat cagggtgtct ggttctgaat tagttcagaa 240  
atacattgga gaaggttcta gaatggtcag 270

<210> 48601  
<211> 211  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040049H1

<400> 48601

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acatccgaat gcgcattcgt gagcttgac ggtgggaatg accgctagtc atgtagcatg 120  
gctgaggtcc ttgtgaagga tgaagtcaga aaaggtgtta ctaataagcc tggaattgca 180

gctaggctag tcagaatgca tgttcatgat t

211

<210> 48602  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040106H1

<400> 48602

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 gatgcctgga atgagtttga agttttctga ggaagatttt atggatgggt gtagtagtca 120  
 agatggtagc atcattggac acgaatctca ctcaaggcgg tctaggaagc tctcaggaag 180  
 tcgagcatgg gaaagaggta gtgaggcaga tcaaggagag ggtggctatg atattatattt 240  
 gatgacagag attccatact ctg 263

<210> 48603  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040135H1

<400> 48603

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 agcttctctt ctcaaagtc agattctttg ttgatagata aggcttcttc aaatgccaca 180  
 ttgccttttt cttgccacca attgtctagc tacaccagaa atacaggtta caattcagga 240  
 agcataagca tgcattggggc tt 262

<210> 48604  
 <211> 298  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040219H1

<400> 48604

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catagagctc caagcgtaca cccagaaga caacttcacc atcagttgcg gcaccaccgg 120  
gatagtcttc gacggccaaa ggacatggac gggggacgca gacacaaagt atttatctgg 180  
tggtcaaggc agcaccgttt taaccgaagc agcaacacaa gatccttctg tcaatcaagc 240  
tccctacacc acagcacggt tatcccggtc tcagttcaat tactccttcc ccgtttct 298

<210> 48605  
<211> 138  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040533H1

<400> 48605

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gaagaaaggt gtgaaaggtt ccgttgtagc agcgaagaag aagggttcagg agaaggtgac 120  
gaatcctttg ttcgagaa 138

<210> 48606  
<211> 270  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 701040607H1

<400> 48606

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attaacctct ccgcttcctt ccgatccatt cactccctcc ctcttaaaac ctcttgcag 180  
atcaaagtct cccaaacaga tgggaatgga agtacctgca agaggacagt gcttcatgat 240  
ctttatgagn aagaagggca gagtccatgg 270

<210> 48607  
<211> 201  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040847H1





<213> Glycine max

<223> Clone ID: 701041037H1

<400> 48610

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 gtatgaccgg ggcagagcat ttggtgaatc agattcagat gatgacgacg actacgaata 120  
 tgaccctttg gataaccgta tatcagataa cactggtgct gaagctaagc gggggaagga 180  
 tatccaaggt ataccttggg ataggttgag cattagtcgt gagagatata taaaactag 240  
 actagaccag tacaagaatg atgatagcat agcacaatca gg 282

<210> 48611

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701041073H1

<400> 48611

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 gggacaagaa cctcgtgtat tcgccgataa cgttgcacgt ctgaactcag catcatcgcc 120  
 gctggatcca caaggcccca cactcgaaca gcttctctcc ttcgctaccg atccaaatcc 180  
 cccgatcatc tcaaatecat cgcctctcag ctctacgccg tcgtgctatc cgacgccact 240  
 cccgccggag aggatcgact ctcttc 267

<210> 48612

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701041105H1

<400> 48612

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 cttttttcct ttctctcggt accagaacca gaagaacat ttgtggccaa catggatttg 120  
 gaccagtga tctccaaggt caaagagggc cagcatcttc ttgaagacga gcttcaactt 180  
 ctctgcgaat atgtaaaaga gatccttatt gaggagtcca atgtgcagcc tgtcaatagt 240

ccagtga

247

<210> 48613  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041611H1

<400> 48613

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 cctcggggaa agagagatgt gccactgctt tatttaattt gtcaatattt catgaaaaca 120  
 agaatcggat tgtgcaagct ggtgctgtga ggcaccttgt ggacttaatg gaccagcag 180  
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 gaaatgcaat tggatgatgaa ggtgg 265

<210> 48614  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041640H1

<400> 48614

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 ttttctgttg agagtagctg aaaggtgggt ttttgtgtgg aaatgagggc gcttttctgt 180  
 gtgggggtgt ggagtgtatg ataataataa aggggtggtg tttttggttt tgaagattgt 240  
 ggcttttgaa aggaagg 258

<210> 48615  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041680H1

<400> 48615

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tctttgacag tcgtggcaat ccaaccgtcg aggtggattt gacatgctcc gatggtactt 120  
 ttgctagagc tgctgttcca agtgggtgcat ccactgggat ttatgaggcc cttgaattga 180  
 gagatggagg atctgactac cttggaaagg gtgtatcaaa ggctggtgac aatgtgaaca 240  
 ccattattgc ccctgctttg gtt 263

<210> 48616  
 <211> 280  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701042081H1  
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<223> Clone ID: 701042376H1

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<223> Clone ID: 701042936H1

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<223> Clone ID: 701043103H1

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<223> Clone ID: 701043164H1

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<223> Clone ID: 701043181H1

<400> 48623

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<223> Clone ID: 701043448H1

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<223> Clone ID: 701043665H1

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 gcgaaacatt cattttcttta ttctttccta cttcaactgg atctgttttt gagtatcaaa 180  
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<223> Clone ID: 701043677H1

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<223> Clone ID: 700967096H1

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